



02-8904-31-PA

REV. NO. 0

**FINAL DRAFT  
PRELIMINARY ASSESSMENT  
EVERSEAL MANUFACTURING COMPANY  
IRVINGTON, ESSEX COUNTY, NEW JERSEY**

**PREPARED UNDER**

**TECHNICAL DIRECTIVE DOCUMENT NO. 02-8904-31  
CONTRACT NO. 68-01-7346**

**FOR THE**

**ENVIRONMENTAL SERVICES DIVISION  
U.S. ENVIRONMENTAL PROTECTION AGENCY**

**MAY 26, 1989**

**NUS CORPORATION  
SUPERFUND DIVISION**

**SUBMITTED BY:**

**RICHARD FEINBERG  
PROJECT MANAGER**

**GREGORY POLLACK  
SITE MANAGER**

**REVIEWED/APPROVED BY:**

**RONALD M. NAMAN  
FACILITY MANAGER**

# POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

## PART I: SITE INFORMATION

1. Site Name/Alias Everseal Manufacturing Company/Atlas Paint & Varnish Co.  
Street 32-50 Buffington Avenue  
City Irvington State N.J. Zip 07111
2. County Essex County Code 59 Cong. Dist. 04
3. EPA ID No. NJD002152460
4. Latitude 40° 45' 78" N Longitude 74° 14' 45" W  
USGS Quad. Elizabeth, N.J.
5. Owner Everseal Manufacturing Co. Tel. No. (201) 943-4986  
Street 475 Broad Avenue  
City Ridgefield State N.J. Zip 07657
6. Operator Everseal Manufacturing Co. Tel. No. (201) 373-9882  
Street 32-50 Buffington Avenue  
City Irvington State N.J. Zip 07111
7. Type of Ownership  
☒ Private ☐ Federal ☐ State  
☐ County ☐ Municipal ☐ Unknown ☐ Other \_\_\_\_\_
8. Owner/Operator Notification on File  
☒ RCRA 3010 Date 10/9/80 ☐ CERCLA 103c Date \_\_\_\_\_  
☐ None ☐ Unknown
9. Permit Information
- | Permit          | Permit No.          | Date Issued    | Expiration Date | Comments |
|-----------------|---------------------|----------------|-----------------|----------|
| <u>RCRA (A)</u> | <u>NJD002152460</u> | <u>10/9/80</u> | <u>Unknown</u>  |          |
| _____           | _____               | _____          | _____           | _____    |
10. Site Status  
☒ Active ☐ Inactive ☐ Unknown
11. Years of Operation 1936 to Present

12. Identify the types of waste units (e.g., landfill, surface impoundment, piles, stained soil, above- or below-ground tanks or containers, land treatment, etc.) on site. Initiate as many waste unit numbers as needed to identify all waste sources on site.

(a) Waste Management Areas

Waste Unit No.	Waste Unit Type	Facility Name for Unit
1	<u>Containers</u>	<u>Waste Paint and Solvents, Drums and Tanks.</u>

(b) Other Areas of Concern

Identify any miscellaneous spills, dumping, etc. on site; describe the materials and identify their locations on site.

No other areas were identified as potential waste units based upon a review of background information and an off-site reconnaissance.

13. Information available from

Contact <u>Amy Brochu</u>	Agency <u>U.S. EPA</u>	Tel. No. <u>(201) 906-6802</u>
Preparer <u>Gregory Pollack</u>	Agency <u>NUS Corp. Region 2 FIT</u>	Date <u>5/3/89</u>

## PART II: WASTE SOURCE INFORMATION

For each of the waste units identified in Part I, complete the following six items.

Waste Unit 1 - Containers Waste Paint and Solvents, Drums and Tanks.

1. Identify the RCRA status and permit history, if applicable, and the age of the waste unit.

The permit for the waste unit was acquired by the previous operator, Atlas Paint and Varnish Company, and was subsequently transferred to Everseal Manufacturing Company through a petition request to the U.S. EPA. The facility and the associated waste generation unit have existed since 1936. The facility has been cited for numerous administrative violations of its permit.

2. Describe the location of the waste unit and identify clearly on the site map.

The specific location of the waste unit is unknown. However, the general location of the waste unit, as detailed in background information, is the center of the plant's main building, where the waste paint and solvent area is found.

3. Identify the size or quantity of the waste unit (e.g., area or volume of a landfill or surface impoundment, number and capacity of drums or tanks). Specify the quantity of hazardous substances in the waste unit.

The total paint sludge and waste solvent storage was reported as 6500 gallons.

4. Identify the physical state(s) of the waste type(s) as disposed of in the waste unit. The physical state(s) should be categorized as follows: solid, powder or fines, sludge, slurry, liquid, or gas.

The waste types placed in the waste unit include paint sludges and waste solvent liquids.

5. Identify specific hazardous substance(s) known or suspected to be present in the waste unit.

The hazardous substances present at the facility include ammonia, amyl methyl ketone, butanol, butyl acetate, epichlorohydrin, ethylene glycol monobutyl ether, toluene, xylene, urethane, di-n-butyl phthalate, chromium, lead, and mercury.

6. Describe the containment of the waste unit as it relates to contaminant migration via groundwater, surface water, and air.

All wastes are stored in 55-gallon steel drums and/or the waste storage tanks prior to disposal. The drums are either shipped directly for disposal or transferred via pump to the waste storage tank. The waste tanks discharge waste to a tank truck for ultimate waste disposal off site. Background RCRA information indicates that there have been no violations or potential violations with respect to spills, containment, or storage methods.

## **PART III: HAZARD ASSESSMENT**

### **GROUNDWATER ROUTE**

1. **Describe the likelihood of a release of contaminant(s) to the groundwater as follows: observed, alleged, potential, or none. Identify the contaminant(s) detected or suspected, and provide a rationale for attributing the contaminant(s) to the facility.**

Based upon review of available RCRA background information and an off-site reconnaissance, there is no likelihood of a release of contaminants from the waste storage containers located within the facility.

Ref. Nos. 1; 2; 4; 5; 13, pp 1-6

2. **Describe the aquifer of concern; include information such as depth, thickness, geologic composition, permeability, overlying strata, confining layers, interconnections, discontinuities, depth to water table, groundwater flow direction.**

The facility is underlain by the southwesterly-lying Brunswick Formation. This bedrock aquifer consists of interbedded brown, red brown, and gray shales, sandy shale, sandstone, and some conglomerate. The total thickness of the formation is approximately 6,000 feet, although sufficient water-bearing characteristics do not exist below 400 feet. Groundwater is contained and moves through a series of fractures and joints with an estimated permeability of  $10^{-3}$  to  $10^{-5}$  cm/sec. The approximate depth to groundwater, based upon an average from available well data, is 53 feet below the surface. The Brunswick Formation is overlain by glacial ground moraine unstratified drift. These Pleistocene and Recent Deposits consist of clay, silt, sand, gravel and boulders. The depth of this overlying deposit is estimated to be 64 feet, based upon a summary of well casing depths. These wells are located within the city of Irvington.

Ref. No. 18

3. **Is a designated sole source aquifer within 3 miles of the site?**

A sole source aquifer has not been designated within 3 miles of the site.

Ref. No. 27

4. **What is the depth from the lowest point of waste disposal/storage to the highest seasonal level of the saturated zone of the aquifer of concern?**

The estimated depth from the waste storage area to the highest seasonal level of the aquifer of concern is 53 feet.

Ref. No. 18, Table 2

5. **What is the permeability value of the least permeable continuous intervening stratum between the ground surface and the aquifer of concern?**

The permeability value for the ground moraine Pleistocene and Recent deposits of till is estimated to be  $10^{-5}$  to  $10^{-7}$  cm/sec.

Ref. Nos. 18, pp. 6-8; 25, p. 15

6. **What is the net precipitation for the area?**

The estimated net precipitation, based upon normal annual total precipitation minus mean annual lake evaporation, is 14 inches.

Ref. No. 25, pp. 13-14

7. **Identify uses of groundwater within 3 miles of the site (i.e., private drinking source, municipal source, commercial, industrial, irrigation, unusable).**

Groundwater uses within 3 miles of the site include several public community supplies, and commercial and industrial purposes.

Ref. Nos. 14; 17; 18, Table 2

8. **What is the distance to and depth of the nearest well that is currently used for drinking or irrigation purposes?**

Distance 1.8 miles

Depth Unknown

Ref. Nos. 14, 17

9. **Identify the population served by the aquifer of concern within a 3-mile radius of the site.**

The minimum population served by wells drawing from the aquifer of concern within 3 miles of the site is approximately 348,000.

Ref. Nos. 17, 23

**SURFACE WATER ROUTE**

10. **Describe the likelihood of a release of contaminant(s) to surface water as follows: observed, alleged, potential, or none. Identify the contaminant(s) detected or suspected, and provide a rationale for attributing the contaminants to the facility.**

None. The site-generated wastes are stored in sealed drums and tanks within the paint manufacturing facility. No RCRA violations for inadequate storage of wastes were ever noted in the available reports. Additionally, the site is not located in a flood area.

Ref. Nos. 1; 2; 3; 4; 5; 13, pp.1-6; 24

11. **Identify and locate the nearest downslope surface water. If possible, include a description of possible surface drainage patterns from the site.**

The nearest downslope surface water is the Elizabeth River. The drainage pathway is via storm drains adjacent to the site that collect runoff and subsequently discharge to the river at the Lyons Avenue Bridge.

Ref. Nos. 13, p.6; 22; 29

12. **What is the facility slope in percent? (Facility slope is measured from the highest point of deposited hazardous waste to the most downhill point of the waste area or to where contamination is detected.)**

The slope of the facility is 0 to 1 percent.

Ref. No. 29

13. **What is the slope of the intervening terrain in percent? (Intervening terrain slope is measured from the most downhill point of the waste area to the probable point of entry to surface water.)**

The slope of the intervening terrain is 0 to 1 percent.

Ref. No. 29

14. **What is the 1-year 24-hour rainfall?**

The 1-year 24-hour rainfall value is estimated to be 2.75 inches.

Ref. No. 25, p. 33

15. **What is the distance to the nearest downslope surface water? Measure the distance along a course that runoff can be expected to follow.**

The distance to the nearest downslope surface water via the roadway storm drainage system is approximately 6800 feet.

Ref. Nos. 22, 29

16. **Identify uses of surface waters within 3 miles downstream of the site (i.e., drinking, irrigation, recreation, commercial, industrial, not used).**

The New Jersey Department of Environmental Protection has identified the Elizabeth River above Broad Street as FW2-NT. The permitted uses include recreational, industrial, and commercial.

Ref. Nos. 14; 15; 20, p. 3; 21, p. 26

17. **Describe any wetlands, greater than 5 acres in area, within 2 miles downstream of the site. Include whether it is a freshwater or coastal wetland.**

No wetlands greater than 5 acres in area have been identified within 2 miles of the site.

Ref. No. 19 (Elizabeth N.J.), 29

18. **Describe any critical habitats of federally listed endangered species within 2 miles of the site along the migration path.**

No critical habitats of federally listed endangered species have been identified within 2 miles of the site.

Ref. Nos. 28, 29

19. **What is the distance to the nearest sensitive environment along or contiguous to the migration path (if any exist within 2 miles)?**

No sensitive environments have been identified along or contiguous to the Elizabeth River migration pathway.

Ref. Nos. 19; 20, p. 3; 21, p. 26; 29

20. Identify the population served or acres of food crops irrigated by surface water intakes within 3 miles downstream of the site and the distance to the intake(s).

Not Applicable. No known surface water intakes exist along the Elizabeth River within 3 miles downstream of the site.

Ref. Nos. 17, 29

21. What is the state water quality classification of the water body of concern?

The New Jersey Surface Water Quality Standards classification for the Elizabeth River is Fresh Water 2-Non Trout (FW2-NT).

Ref. Nos. 20, p.3; 21, p. 26

22. Describe any apparent biota contamination that is attributable to the site.

There is no known apparent biota contamination based upon review of available background information.

#### AIRROUTE

23. Describe the likelihood of a release of contaminant(s) to the air as follows: observed, alleged, potential, none. Identify the contaminant(s) detected or suspected, and provide a rationale for attributing the contaminant(s) to the facility.

Although the site disposes of waste paint sludge and solvents, there is little potential for an air release of contaminants to the air. All wastes are stored in sealed containers, and RCRA inspections have not noted improper storage methods.

Ref. Nos. 1,2, 3, 4, 5

24. What is the population within a 4-mile radius of the site?

The population within a 4-mile radius of the site is approximately 564,000.

Ref. No. 23

#### FIRE AND EXPLOSION

25. Describe the potential for a fire or explosion to occur with respect to the hazardous substance(s) known or suspected to be present on site. Identify the hazardous substance(s) and the method of storage or containment associated with each.

Although the site disposes of waste paint sludge and solvents, there is little potential for fire and explosion from improper waste storage. All wastes are handled appropriately to reduce the potential for fire and explosion. All wastes are stored in sealed containers, and RCRA inspections have not noted improper storage methods.

Ref. Nos. 1, 2, 3, 4, 5

26. What is the population within a 2-mile radius of the hazardous substance(s) at the facility?

The population within a 2-mile radius of the site is approximately 157,000.

Ref. No. 23

**DIRECT CONTACT/ON-SITE EXPOSURE**

- 27. Describe the potential for direct contact with hazardous substance(s) stored in any of the waste units on site or deposited in on-site soils. Identify the hazardous substance(s) and the accessibility of the waste unit.**

There is no potential for unauthorized direct contact with hazardous substances stored at the site. The active facility drum and tank storage of waste paint and solvents is located within the building. No outside waste storage was observed during the off-site reconnaissance.

Ref. Nos. 1, 2, 3, 4, 13

- 28. How many residents live on a property whose boundaries encompass any part of an area contaminated by the site?**

Not applicable. There are no residents living on the facility property, and no portion of the site has been identified as contaminated.

- 29. What is the population within a 1-mile radius of the site?**

The population within 1 mile of the facility is approximately 37,000.

Ref. No. 23

## PART IV: SITE SUMMARY AND RECOMMENDATIONS

The Everseal Manufacturing Company Site is located in an urban/commercial/industrial area within the city of Irvington, Essex County, New Jersey. The approximately 1-acre site was previously owned and operated by Atlas Paint and Varnish Company, established in 1936, and was purchased by Everseal Manufacturing on February 12, 1981. The facility manufactures paint, predominantly for the U.S. Government. Wastes generated by the facility include paint sludges and associated cleaning and thinning solvents. A RCRA inspection conducted by the New Jersey Department of Environmental Protection (NJDEP) in December 1987 and January 1988 indicated that the facility was operating on a limited production basis.

Everseal Manufacturing Company was identified as a treatment, storage, and disposal facility based upon documents filed in 1980, and applied for RCRA Part A generator status in 1981. Everseal has maintained a waste management program that has included drummed waste storage for off-site disposal, and in-house transfer from drum storage to holding tanks for subsequent discharge to a tank truck for off-site disposal. Although several NJDEP RCRA inspections have unveiled numerous administrative violations relating to the facility's documentation requirements, no violations were cited for mismanagement/mishandling of facility wastes. The NJDEP issued an Administrative Order and Notice of Civil Administrative Penalty Assessment on November 25, 1986 for the numerous documentation violations.

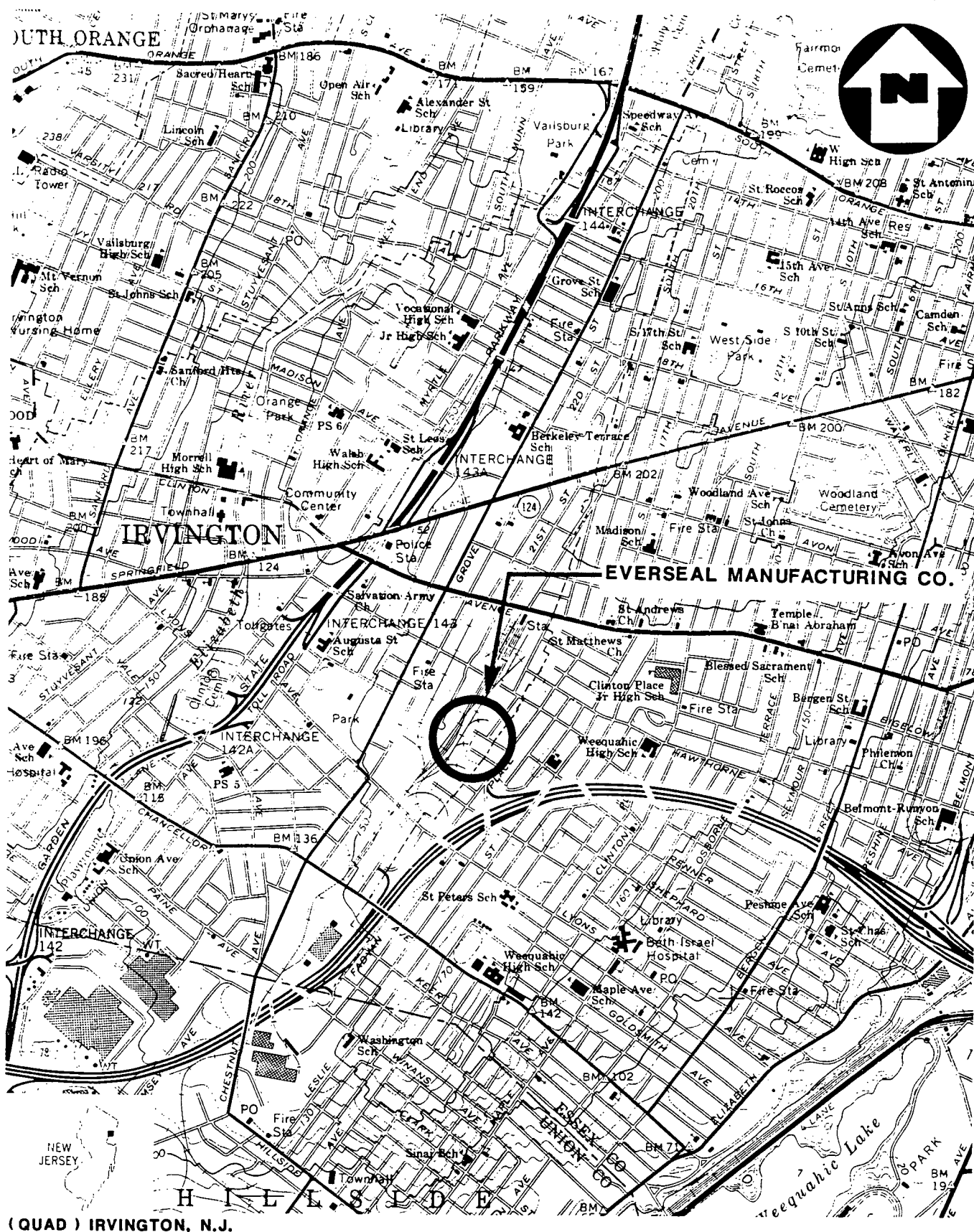
The site is given a recommendation of **NO FURTHER REMEDIAL ACTION PLANNED (NFRAP)** under CERCLA/SARA. This assessment is based upon the review of available background information that indicates that the facility wastes were previously and are currently stored in an acceptable manner, and that the potential for direct contact or for a release to air, groundwater, and surface water is slight or nonexistent.

ATTACHMENT 1

**EVERSEAL MANUFACTURING COMPANY  
IRVINGTON, ESSEX COUNTY, NEW JERSEY**

Contents

Figure 1:	Site Location Map
Figure 2:	Site Map
Exhibit A:	Photograph Log



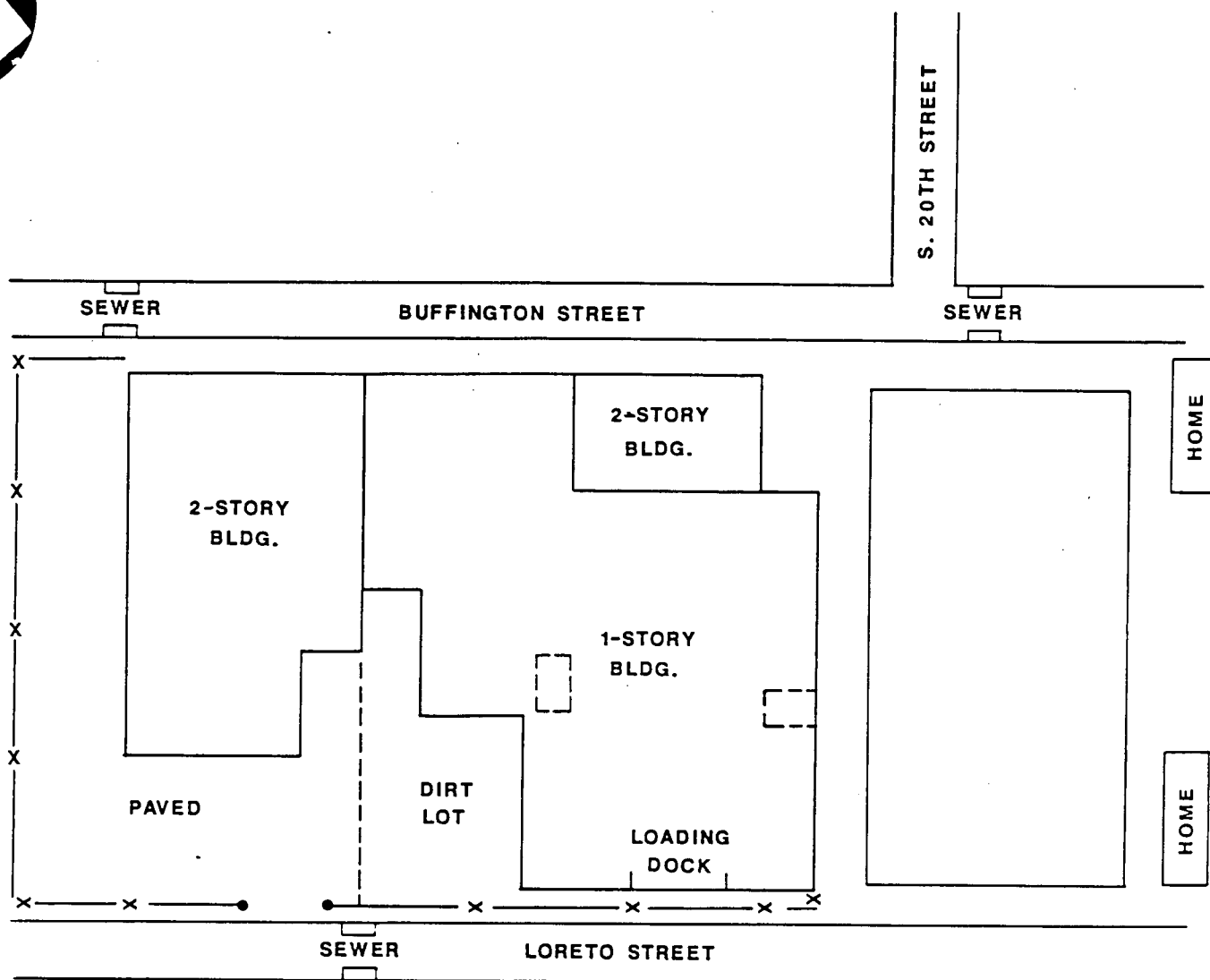
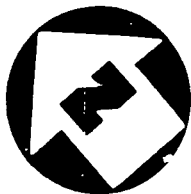
(QUAD) IRVINGTON, N.J.

**SITE LOCATION MAP**  
**EVERSEAL MANUFACTURING CORPORATION,**  
**IRVINGTON, N.J.**

SCALE : 1" = 2000'

FIGURE 1





# LEGEND

 APPROXIMATE  
LOCATIONS OF  
WASTE STORAGE

## SITE MAP

EVERSEAL MANUFACTURING COMPANY  
IRVINGTON, N.J.

( SCALE UNKNOWN )

## FIGURE 2



EXHIBIT A

PHOTOGRAPH LOG

EVERSEAL MANUFACTURING COMPANY  
IRVINGTON, ESSEX COUNTY, NEW JERSEY

APRIL 27, 1989

EVERSEAL MANUFACTURING COMPANY  
IRVINGTON, ESSEX COUNTY, NEW JERSEY  
APRIL 27, 1989

PHOTOGRAPH INDEX

ALL PHOTOGRAPHS TAKEN BY GERALD HANNAY

<u>Photo Number</u>	<u>Description</u>	<u>Time</u>
S20/P19	View from residential home showing location as compared to the facility.	1400

EVERSEAL MANUFACTURING COMPANY  
IRVINGTON, ESSEX COUNTY, NEW JERSEY



S20/P19 April 27, 1989

1400

View from residential home showing location as compared to  
the facility.

ATTACHMENT 2

## REFERENCES

1. New Jersey Department of Environmental Protection, Division of Waste Management, Bureau of Field Operations, Enforcement Referral - Everseal Manufacturing Company, January 19, 1988.
2. Letter from Frank Coolick, Chief, Bureau of Hazardous Waste Engineering, New Jersey Department of Environmental Protection, to Ronald K. Almquist, Everseal Manufacturing Co. Inc., February 27, 1986.
3. Letter from Ronald K. Almquist, Operations Manager, Everseal Manufacturing Co. Inc., to Frank Coolick, Chief, State of New Jersey, Department of Environmental Protection, Division of Waste Management, May 23, 1986.
4. NJDEP Administrative Order and Notice of Civil Administrative Penalty Assessment: Everseal Manufacturing Company, November 25, 1986.
5. New Jersey Department of Environmental Protection, Division of Waste Management, Bureau of Field Operations, Enforcement Referral - Everseal Manufacturing Company, January 31, 1986.
6. New Jersey Department of Environmental Protection, Worker and Community Right to Know Act, Emergency Services Information Survey, Everseal Manufacturing Company Inc., January 9, 1986.
7. Record of Communication: Conversation between R.K. Almquist, General Manager, Everseal Manufacturing Company, and Chris Sebastian, PAB, U.S. EPA, April 12, 1983.
8. U.S. EPA General Information, Consolidated Permits Program, EPA Form 3510-1, Everseal Manufacturing Company, May 27, 1981.
9. Letter from R.K. Almquist, General Manager, Everseal Manufacturing Company Irvington Inc., to Richard A. Baker, Chief, Permits Administration Branch, Planning and Management Division, U.S. EPA, February 24, 1981.
10. U.S. EPA, Acknowledgement of Notification of Hazardous Waste Activity, EPA Form 8700-12B, Atlas Paint and Varnish Co. Inc., October 9, 1980.
11. U.S. EPA General Information, Consolidated Permits Program, EPA Form 3510-1, Atlas Paint and Varnish Co. Inc., (Date illegible).
12. U.S. EPA, Notification of Hazardous Waste Activity, EPA Form 8700-12, Atlas Paint and Varnish Co. Inc., August 12, 1980.
13. Preliminary Assessment Off-Site Reconnaissance Information Reporting Form, Everseal Manufacturing Company, TDD No. 02-8904-31, NUS Corp. Region 2 FIT, Edison, New Jersey, April 27, 1989.
14. State of New Jersey, Department of Conservation and Economic Development, Division of Planning and Development, Topographic Series Sheet 26, Revised 1955.

## REFERENCES (CONT'D)

15. State of New Jersey, Department of Environmental Protection, Bureau of Geology and Topography, Drainage Basin Overlay Sheet 26, 1980.
16. State of New Jersey, Department of Environmental Protection, Bureau of Geology and Topography, Land Use Overlay Sheet 26, 1976.
17. State of New Jersey, Department of Environmental Protection, Bureau of Geology and Topography, Water Supply Overlay Sheet 26, August 1975.
18. Ground-Water Resources of Essex County, New Jersey, U.S. Geological Survey Special Report No. 28, 1968.
19. U.S. Department of the Interior, Fish and Wildlife Service, Atlas of National Wetlands Inventory Maps for New Jersey, 1984.
20. NJDEP, Division of Water Resources, Surface Water Classification of the Passaic, Hackensack and N.Y. Harbor Complex Basin, July 1985.
21. NJDEP, Division of Water Resources, Surface Water Quality Standards, May 1985.
22. Telecon Note: Conversation between Mr. Jim Racz, City of Irvington, Engineers Office, and Greg Pollack, NUS Corp., May 1, 1989.
23. General Sciences Corporation, Graphical Exposure Modeling Systems (GEMS). Landover, Maryland, 1986.
24. Federal Emergency Management Agency, Flood Insurance Rate Map (FIRM), Town of Irvington, Essex County, New Jersey, Panels 1, 2, 3, Map Revised, November 14, 1980.
25. Uncontrolled hazardous waste site ranking system, A user's manual, 40 CFR, Part 300, Appendix A, 1986.
26. Geologic Map of New Jersey, 1910-1912, revised 1950.
27. Federal Register/Volume 45, Number 91/Thursday, May 8, 1980. Aquifers Underlying Western Essex and Southeastern Morris Counties, N.J.; Determination.
28. U.S. Department of the Interior, Fish and Wildlife Service, Atlantic Coast Ecological Inventory, Newark, N.J. - N.Y. - PA., 1980.
29. U.S. Department of the Interior, Geological Survey Topographic Map, 7.5 minute series, "Elizabeth Quadrangle, N.J.- N.Y.", 1967 revised 1981.

REFERENCE NO. 1

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WASTE MANAGEMENT  
BUREAU OF FIELD OPERATIONS

07-09-11

ENFORCEMENT REFERRAL

TO: Anthony J. Cavalier DATE: 1/19/88  
FROM: J. Sterling thru V. Vaccaro REGION: M  
RE: Eversal Manufacturing Co. NJD002152460 32-50 Buffington Ave  
IRVINGTON ESSEX  
475 Broad Ave, Ridgewood, NJ 07657 RONALD K. ALMQUIST  
Lot and Block Township County  
Mailing Address Responsible Party

The attached inspection/investigation report(s) dated 12/23/87 & 1/18/88 is being referred and it is recommended a AO / PSC be issued for violations of:

NJAC 7:26- 7.4(g)2ii 1985 report has incorrect facility EPA ID  
7.4(g)2iii 1985 report lacks correct hauler EPA #  
7.4(g)2iv 1985 report lacks correct designated facility  
address  
7.4(g)2ix 1985 & 1986 reports lack correct amt. of waste  
shipped (see report)  
7.6(f)2 no TSD annual report submitted for 1985, 1986  
NJSA 58:10- 9.4(f)3 no written inspection schedule  
9.4(f)6 inspection log has no TIME  
9.6(c)15 no daily inspection of container storage area.

Suggested penalty: As scheduled

ADDITIONAL COMMENTS:

Company listed as a TSD; they want  
to delist now but won't cooperate  
with BHW. They're acting as if they  
have been delisted to generator status.  
Until they do, they need to comply  
with new Penalty assessment  
recommended.

REVIEWED AND APPROVED BY:

Jack Smile fac 01-25-88  
Anthony J. Cavalier 1-26-88

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WASTE MANAGEMENT  
BUREAU OF FIELD OPERATIONS

2 of 2

ENFORCEMENT REFERRAL

TO: Anthony Cavalier DATE: 1/19/88  
FROM: Jeffrey Sterling REGION: M  
RE: Everseal Manufacturing Co., NJD002152460 BUFFINGTON Ave  
Name of Facility ID Number Location Address  
IRVINGTON ESSEX  
Lot and Block Township County  
475 Broad Ave, Ridge Field, NJ 07657 Ronald K. Almqvist  
Mailing Address Responsible Party

The attached inspection/investigation report(s) dated 1/8/88 & 12/23/87 is being referred and it is recommended a A01550 be issued for violations of:

NJAC 7:26- 9.4(g)5 no semi-annual drills  
9.7(g) no location of spill control devices and no  
description of capabilities of all emergency equip.  
9.8(e)3 closure plan lacks steps  
9.8(e)4 closure plan has no schedule  
9.4(b)2 i waste analysis plan has no RATIONALE  
9.4(b)2 ii WAP lacks sampling method.

NJSA 58:10- \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Suggested penalty: \_\_\_\_\_

ADDITIONAL COMMENTS:

to be processed  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

REVIEWED AND APPROVED BY:

James Smiley 01-25-88  
Anthony Cavalier  
1-26-88

INSPECTION REPORT

## REPORT PREPARED FOR:

- ☒ Generator  
☐ Transporter  
☒ HWM (TSD) Facility

## FACILITY INFORMATION

Name: Everseal Manufacturing Co.Address: 32-50 Buffington Ave  
Irvington, NJ 07111

Lot: \_\_\_\_\_ Block: \_\_\_\_\_

County: EssexPhone: 201-373-9882EPA ID #: NJ D002152460Date of Inspection: 12/23/87 & 1/8/88

## PARTICIPATING PERSONNEL

State or EPA Personnel: JEFFREY A. STERLINGFacility Personnel: RONALD K. ALMQUISTReport Prepared by Name: JEFFREY A. STERLINGRegion: MTelephone #: 201-669-3960Reviewed by: Carol Smith - JACBDate of Review: 01-25-1988

SUMMARY OF FINDINGSFACILITY DESCRIPTION AND OPERATIONS

On 12/23/87 and 1/5/88 a RCRA compliance inspection was conducted at Eversal Manufacturing Corporation (Eversal) in Irvington, NJ. The company was represented by Mr. Ron Almqvist.

The company is involved in manufacturing paint. Most of its business is with the US government. This constitutes about 98% of their business. However, there has been a decline in the amount of government contracts that have been awarded to this company. Because of this, production activity has virtually ceased. The company still has the capability to produce paint and occasionally small paint batches are made for specific customers. This is done very infrequently.

At the time of this inspection (12/23/87)\* only three people were onsite. They were in the process of cleaning up the plant. Accumulated paint was being scraped from under the paint manufacturing tanks, floors, etc. These were placed on skids. About 70 skids were observed inside the building. These all had paint sludge and other assorted solid debris. There were also several drums of liquids that would be "reworked" or declared to be waste at a later date (if the known solids). Lots of raw materials and also finished goods were observed (i.e., paints). Raw materials included titanium dioxide.

\* on 1/5/88 only paperwork was reviewed.

in addition to Mr. Almqvist

-A-

SUMMARY OF FINDINGSFACILITY DESCRIPTION AND OPERATIONS

The hazardous waste was observed onsite. Hazardous waste resulted from the solvent washing (mineral spirits) of their paint manufacturing tanks. The manufacturing process involves a mixing/blending operation (no reactions). The dirty wash solvents, according to the company, were stored in drums inside the manufacturing building until it was time for disposal. At that time, according to Mr. Almqvist, the contents of the drums ~~was~~ were transferred to one of their process tanks. From this "staging tank" the waste would then be sucked into a vac. truck for transportation to a commercial TSD. The "staging tank" would then be reused as a process tank.

The company filed as a TSD in 1980 and submitted a Part A in 1981. The Part A mentioned T01 (tank treatment), S01 (container storage) and T02 (tank storage). During this inspection, Mr. Almqvist said that Everseal has never stored hazardous waste in tank or treated the same in tanks. He said that operations at the site only entailed container storage. Hazardous waste were only put into tanks (whenever one of the process tanks was available) so that it could easily be loaded into a vac-truck for offsite disposal. Mr. Almqvist described this situation in a 5/23/86 letter to Mr. Frank Corbitt of the BHWI. It is attached to this report.

## SUMMARY OF FINDINGS

### FACILITY DESCRIPTION AND OPERATIONS

This facility was previously inspected on 1/15/86 and 1/16/86. As a result of this inspection they were cited for several violations of the hazardous waste codes. The resultant Administrative Order to the company has still not been fully satisfied by the company.

This inspection revealed that in 1985 the company shipped fourteen (14) bulk loads of waste wash solvents to S&W Waste (NJ0991291105). Evereals 1985 generator report was not accurately reflective of their 1985 manifest activities. Wastes in 1985 were shipped via S&W waste to their facility in Kearny. The 1985 report however, mentioned that All County was the designated facility AND the hauler. The 1985 report also ~~not~~ accounted for 13 of the 14 manifests that were generated in 1985. Manifest NTA 0044386 (2/11/85) was omitted. During this inspection Mr. Almgren crossed out "All County" and inserted "S&W Waste" in sections 2 and 3 of the 1985 report. He was asked to retrace the 1985 manifest report to accurately report the 1985 waste flow and inform the writer and the Manifest Section in Trenton.

In 1986 the company manifested three (3) shipments of hazardous wastes to S&W waste. These took place on 1/13/86, 1/22/86, and 1/19/86. The quantities were 3100 gal, 3800 gal and 4300 gal respectively. They went out, in order, on NTA 0156607, ~~NTA 025079~~ and NTA 0180575, and NTA 0257079.

SUMMARY OF FINDINGS

FACILITY DESCRIPTION AND OPERATIONS

These are attached to a copy of the 1986 annual report, which reported a quantity of 11,100 gallons while the manifests indicate that 11,200 gallons were shipped.

In 1987 ~~up to~~ the facility manifested 7 shipments to SEW. They were as follows:

NJA 0274501	(1/27/87)	- 3000 gal	} Waste Plan by NIS DOO1
NJA 0293450	(5/21/87)	- 3400 gal	
NJA 0293803	(6/26/87)	- 2400 gal	
NJA 0334971	(9/25/87)	- 2800 gal	}
NJA 0368003	(10/9/87)	- 2400 gal	
NJA 0369271	(10/28/87)	- 2898 gal	
NJA 0369629	(11/23/87)	- 2898 gal	

The 1986 manifests suggest that Everead stored waste onsite in excess of 90 days.

The floor scrapings, etc. that were observed on sticks inside the buildings will be analyzed prior to their disposal according to Mr. Blumquist. They ~~are~~ were not treated as hazardous wastes at the time of the inspections.

Problems noted during this inspection consisted of:

- 9.4(f)13 - no written inspection schedule
- 9.4(f)15 - no daily inspection of storage area (no <sup>daily</sup> logs)
- 9.4(f)16 - inspection log has no Time,

## SUMMARY OF FINDINGS

### FACILITY DESCRIPTION AND OPERATIONS

9.4(g)8 - no evidence of semi-annual drills or an exemption

9.7(g) no location of emergency equipment or description

9.8(e)3, 9.8(e)4 - company "has" a closure plan but it is very inadequate (not detailed)

9.4(b)2iii

9.4(b)2ii

7.4(a)1, 7.6(f)2.

The company maintained that many of these violations are inapplicable because they are a generator and not a TSD.

The violations noted during the inspection were cited on 1/19/88 and were mailed to the facility.

# GENERATOR INSPECTION CHECKLIST

		YES	NO	N/A
7:26-8.5	<u>Hazardous waste determination</u>			
	(a) Did the generator test its waste to determine whether it is hazardous?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is the waste hazardous?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-8.5(b)2	Is the generator determining that its waste exhibits a hazardous waste characteristic(s) based on its knowledge of the material(s) or processes used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Has hazardous waste been shipped off site since November 19, 1980?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If yes, how many shipments, off site, have been made and describe the approximate size of an average shipment made on a monthly basis. If facility is a small quantity generator, please explain. 1985 - 14 shipments (~ 2500 gal/shipment) 1986 - 3 shipments (~ 3400 gal/shipment) 1987 - 7 shipments (~ 3000 gal/shipment)			
7:26-7.4(a)1	Does the generator have an EPA ID #?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-7.4(a)4	Does each manifest have the following information? Please circle the elements missing and obtain a copy of the incomplete manifests. (List those manifests that are deficient)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-7.4(a)4i	The generator's name, address and phone number?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-7.4(a)4ii	The generator's EPA ID number?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-7.4(a)4iii	The transporter(s) name, address and phone number?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-7.4(a)4iv	The transporter(s) EPA ID number?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-7.4(a)4vi	The TSDF's EPA ID number?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-7.4(a)4vii	The name, type and quantity of hazardous waste being shipped, including such particulars as may be required regarding same?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		<u>YES</u>	<u>NO</u>	<u>N/A</u>
7:26-7.4(a)4viii	Special handling instructions and any other information required on the form to be shipped by the generator?	<u>✓</u>	<u>    </u>	<u>    </u>
7:26-7.4(a)5	Before allowing the manifested waste to leave the generator's property, did the generator:			
7:26-7.4(a)5i	Sign the manifest certification by hand?	<u>✓</u>	<u>    </u>	<u>    </u>
7:26-7.4(a)5ii	Obtain the handwritten signature of the initial transporter and date of acceptance on the manifest?	<u>✓</u>	<u>    </u>	<u>    </u>
7:26-7.4(a)5iii	Retain one copy and forward one copy to the state of origin and one copy to the state of destination?	<u>✓</u>	<u>    </u>	<u>    </u>
7:26-7.4(a)5iv	Give remaining copies of the manifest form to the transporter?	<u>✓</u>	<u>    </u>	<u>    </u>
7:26-7.4(f)1	Has the generator maintained facility records for three (3) years? (Manifest(s), exception report(s) and waste analysis)	<u>✓</u>	<u>    </u>	<u>    </u>
7:26-7.4(h)1	Has the generator received signed copies of portion B (from the TSD facility) of all manifests for waste shipped off site more than 35 days ago?	<u>✓</u>	<u>    </u>	<u>    </u>
7:26-7.4(h)2	If not:	<u>12</u>	<u>    </u>	<u>    </u>
	1. Did the generator contact the hauler and/or the owner or operator of the TSDF and the NJDEP at 609-292-9877 to inform the NJDEP of the situation, and	<u>    </u>	<u>    </u>	<u>✓</u>
	2. Have exception reports been submitted to the Department covering any of these shipments made more than 45 days ago?	<u>    </u>	<u>    </u>	<u>✓</u>
	Before transporting or offering hazardous waste for transportation off site, does the generator?			
7:26-7.2(a)	Conspicuously label appropriate manifest numbers on all hazardous waste containers that are intended for shipment? <i>large bins used</i>	<u>    </u>	<u>    </u>	<u>✓</u>
7:26-7.2(b)	Insure that all containers used to transport hazardous waste off site are in conformance with applicable DOT regulations (i.e., 49 CFR 171 - 49 CFR 179)?	<u>    </u>	<u>    </u>	<u>✓</u>

YES   NO   N/A

7:26-9.3

Accumulation time

How is waste accumulated on site?

- ☒ Containers
- ☐ Tanks (complete HWMF checklist)
  - ☐ Aboveground   ☐ Below ground
- ☐ Surface impoundments (complete HWMF checklist)
- ☐ Piles (complete HWMF checklist)

7:26-9.3(a)3

Is each container clearly dated with each period of accumulation so as to be visible for inspection? *no containers on site*

— — ✓

7:26-9.3(a)1

Is waste accumulated for more than 90 days?

— — ✓

If yes, complete HWMF checklist.

*company filed as a TSD*

STOP HERE IF THE HAZARDOUS WASTE MANAGEMENT FACILITY (TSD) CHECKLIST IS FILLED OUT.

*— company filed for TO1 and TO2*

*↓  
tank treatment*

*↘ tank storage*

*on their Part B*

*Company now says that they don't conduct  
TO1 or TO2 activities*

# HAZARDOUS WASTE FACILITY STANDARDS

YES NO N/A

7:26-9.4(b)

## Waste Analysis

7:26-9.4(b)1i

Is there a detailed chemical and physical analysis of a representative sample of the waste(s) or each waste? (At a minimum, this analysis must contain all the information necessary for proper treatment, storage or disposal of the waste.) *outside lab*

☒ ☐ ☐

7:26-9.4(b)1iii

Does the character of the waste handled at the facility change from day to day, week to week, etc., thus requiring frequent testing? Check only one:

☐ ☒ ☐

Waste characteristics vary

All waste(s) are basically the same ☒

Company treats all waste(s) as hazardous ☐ *solvent wash*

7:26-9.4(b)2

Is there a written waste analysis plan at the facility?

☒ ☐ ☐

Does it contain:

7:26-9.4(2)i

Parameters for which each hazardous waste stream will be analyzed including constituents listed in NJAC 7:26-8.16 and the rational for the selection of these parameters? *no*

☐ ☒ ☐

7:26-9.4(b)2ii

The test methods which will be used to test for these parameters? *only says outside lab will do the analysis*

☐ ☒ ☐

7:26-9.4(b)2iii

The sampling method which will be used to obtain a representative sample of the waste to be analyzed?

☐ ☒ ☐

7:26-9.4(b)2iv

The frequency with which the initial analysis of the waste will be reviewed or repeated to ensure that the analysis is accurate and up-to-date? *quarterly, they will have sample analyzed*

☒ ☐ ☐

7:26-9.4(b)2v

For off-site facilities, the waste analysis that hazardous waste generators have agreed to supply?

☐ ☐ ☒

7:26-9.4(b)2vii

Procedures which will be used to identify changes in waste stream characteristics?

☐ ☐ ☒

7:26-9.4(b)3

Did the owner or operator submit the waste analysis plan to the Department?

☒ ☐ ☐

If yes, when was the plan submitted?

YES NO N/A

Does hazardous waste come to this facility from an outside source? (e.g., another generator)

— ✓ —

If yes, list the name(s) of generators.

7:26-9.4(b)4

If waste comes from an outside source, are there procedures in the waste analysis plan to insure that waste received conforms to the accompanying manifest?

— — ✓

Does the plan describe:

7:26-9.4(b)4i

The procedures which will be used to determine the identity of each shipment of waste managed at the facility?

— — ✓

7:26-9.4(b)4ii

The sampling method which will be used to obtain a representative sample of the waste to be identified, if the identification method includes sampling?

— — ✓

7:7:26-9.4(h)

Security

Does the facility have:

7:26-9.4(h)1i

A 24 hour surveillance system which continuously monitors and controls entry onto the active portion of the facility? *building is locked*

✓ — —

7:26-9.4(h)1ii

An artificial or natural barrier, which completely surrounds the active portion of the facility; and a means to control entry, at all times, through the gates or other entrances to the active portion of the facility?

✓ — —

7:26-9.4(h)3

Are there "Danger-Unauthorized Personnel Keep Out" signs posted at each entrance to the facility?

— ✓ —

If no, explain what measures are taken for security.

*hazardous waste area is inside the building*

YES NO N/A

7:26-9.4(f) General Inspection Requirements

7:26-9.4(f)1 Does the owner or operator inspect the facility for malfunctions and deterioration, operator errors and discharges which may be causing, or may lead to:

7:26-9.4(f)1i Discharge of hazardous waste constituents to the environment?

7:26-9.4(f)1ii A threat to human health?

7:26-9.4(f)3 Has the owner or operator developed, and does the owner or operator follow a written schedule for inspecting monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment that are utilized for the prevention, detection or response to environmental or human health?

7:26-9.4(f)3i Did the owner or operator submit the written inspection schedule to the department?

If yes, when was it submitted?

*company feels they're a "generator" so none was prepared*

7:26-9.4(f)3iii Is the written inspection schedule kept at the facility?

7:26-9.4(f)3iv Does the schedule identify the types of problems to be looked for during the inspection?

7:26-9.4(f)3v Does the schedule include the frequency of inspection, based upon the rate of possible deterioration of the equipment and the probability of an environmental, or human health incident if the deterioration or malfunctions or any operator error goes undetected between inspections?

7:26-9.4(f)5 Is there evidence that problems reported in the inspection log have been remedied?

7:26-9.4(f)6 Does the owner/operator record inspections in a log?

Are these records kept for at least three (3) years from the date of inspection?

*only recent ones checked*

~~\_\_\_\_\_~~ ✓ ~~\_\_\_\_\_~~

### Personnel training

✓

✓

\_\_\_\_\_

☒ ☐ ☐

✓

✓                                

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Very much then interested the people  
in the Lake district

YES NO N/A

7:26-9.6

Preparedness and prevention

Does the facility comply with preparedness and prevention requirements including maintaining:

7:26-9.6(b)1

An internal communications or alarm system?

☒ ☐ ☐

7:26-9.6(b)2

A telephone or other device to summon emergency assistance from local authorities?

☒ ☐ ☐

7:26-9.6(b)3

Portable fire equipment, spill control equipment, and decontamination equipment?

☒ ☐ ☐

7:26-9.6(b)4

Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems?

☒ ☐ ☐

7:26-9.6(c)

Is equipment tested and maintained?

☒ ☐ ☐

7:26-9.6(d)1

Is there immediate access to communications or alarm systems during handling of hazardous waste? *no waste onsite*

☐ ☐ ☒

7:26-9.6(e)

Adequate aisle space to allow unobstructed movement of personnel fire protection equipment, spill control equipment and decontamination equipment? *no waste onsite*

☐ ☐ ☒

If no, please explain.

In your opinion, do the types of waste on site require all of the above procedures, or are some not required?

☐ ☐ ☒

Explain.

7:26-9.6(f)

Has the facility made the following arrangements, as appropriate for the type of waste handled on site?

☐ ☐ ☐

7:26-9.6(f)1

Familiarize police, fire departments and emergency response teams with the layout of the facility and hazardous waste handled?

☒ ☐ ☐

		<u>YES</u>	<u>NO</u>	<u>N/A</u>
7:26-9.6(f)2	Where more than one police and fire department might respond to an emergency, is there an agreement designating primary emergency authority to a specific police or fire department, and agreements with any others to provide support to the primary emergency authority?	—	—	✓
7:26-9.6(f)3	Agreements with emergency response contractors, and equipment suppliers?	✓	—	—
7:26-9.6(f)4	<i>SEW waste</i> Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or discharges at the facility?	✓	—	—
7:26-9.6(f)5	Arrangements with local fire departments to inspect the facility on a regular basis with at least two (2) inspections annually?	✓	—	—
7:26-9.7	<u>Contingency plan and emergency procedures</u>			
7:26-9.7(a)	Does the facility have a written contingency plan for emergency procedures designed to deal with fires, explosions, hazards to human health or environment, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water?	✓	—	—
7:26-9.7(b)	Are provisions of the plan carried out immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment?	—	—	✓
7:26-9.7(c)	Does the contingency plan describe the actions facility personnel shall take in response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility?	✓	—	—
7:26-9.7(d)	Did the owner or operator prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan in accordance with 40 CFR 112 or 151 or a Discharge Prevention, Containment and Countermeasure (DPCC) Plan in accordance with N.J.A.C. 7:1E-4.1 et seq.?	—	—	✓
	If yes, did the owner or operator amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this section?	—	—	✓

- 7:26-9.7(e) Does the plan describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services? ☒ ☐ ☐
- 7:26-9.7(f) Does the plan list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and is this list kept up-to-date? Where more than one person is listed, one shall be named as primary emergency coordinator and others shall assume responsibility as alternates. ☒ ☐ ☐
- 7:26-9.7(g) Does the plan include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required? Is the list kept up-to-date? In addition, does the plan include the location and a physical description of each item on the list, and a brief outline of its capabilities? ☐ ☒ ☐
- 7:26-9.7(h) Does the plan include an evacuation procedure for facility personnel where there is a possibility that evacuation could be necessary? Does this plan describe signal(s) to be used to begin evacuation, evacuation routes, and alternative evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires)? ☒ ☐ ☐
- 7:26-9.7(i) Is a copy of the contingency plan and all revisions to the plan:
1. Maintained at the facility; and *needs update* ☒ ☐ ☐
  2. Has the contingency plan been submitted to local authorities (police, fire departments, emergency response teams)? ☒ ☐ ☐
- 7:26-9.8 Closure plan
- 7:26-9.8(c) Does the facility have a written closure plan? *yes, asbestos plan* ☒ ☐ ☐
- Does the owner/operator keep a written copy of the closure plan and all revisions to the plan at the facility? ☒ ☐ ☐
- If yes, does the plan include:

*Letter sent to BHA, who asked them to submit a more detailed plan to date*

REFERENCE NO. 2



State of New Jersey  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT  
32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.  
DIRECTOR

RICHARD C. SALKIE, P.E.  
ASSOCIATE DIRECTOR

Mr. Ronald K. Almquist  
Everseal Manufacturing Co., Inc.  
475 Broad Avenue  
Ridgefield, New Jersey 07657

27 FEB 1986

RE: Everseal, Irvington  
EPA ID No. NJD 002 152 460

Dear Mr. Almquist:

The Bureau of Hazardous Waste Engineering (The Bureau) is in receipt of your letter dated February 7, 1986 claiming that the above referenced facility has been delisted as a TSD facility by the Department in October 1982.

The Bureau has reviewed the claim and finds no record of any official delisting by any authorized agency within the Department. Please be advised that the above referenced facility is still considered a hazardous waste TSD facility operating under interim status with the following hazardous waste activities carried out on-site.

- 1) Drum storage (S01) at 4500 gal
- 2) Tank storage (S02) at 2000 gal
- 3) Tank treatment (T01) at 1000 gal

As the facility was called in on November 19, 1985 a complete part B permit application meeting the requirements of N.J.A.C. 7:26-12.2 et. seq. is due by May 19, 1986.

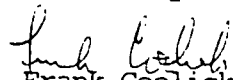
However, if the facility would like to be classified as a generator only, a delisting request evidencing container and tank storage for less than ninety days as well as documentation addressing the requirements of N.J.A.C. 7:26-9.3(a) and (b) must be submitted before March 31, 1986. An exemption from TSD permit requirements can only be granted once the delisting request has been approved by the Department and the facility is then classified to be a generator only.

27 FEB 1986

Please be advised that failure to submit the permit application or delisting request within the specified timeframes may result in enforcement action against the facility.

Should you have any questions on these matters, please contact Mr. Shree Dharasker of my staff at (609) 633-2975.

Yours very truly,

  
Frank Coolick, Chief  
Bureau of Hazardous Waste  
Engineering

EP48:lw

c: A. Chang, USEPA  
Kevin Krause, Metro Field Office

REFERENCE NO. 3



EVERSEAL MANUFACTURING CO., INC.

475 BROAD AVE. RIDGEFIELD, N.J. 07657 U.S.A. : N.Y. (212) 265-4900, N.J. (201) 943-4986

CABLE EVERSEALRIDGEFIELD TELEX 13-5408 EVERSEAL RIDE

May 23, 1986

STATE OF NEW JERSEY  
Department of Environmental Protection  
Division of Waste Management  
32 East Hanover Street  
CN 028  
Trenton, New Jersey 08525

Attention: Frank Coolick, Chief

RE: Everseal, Irvington  
EPA ID No. NJD 002-152-460

Gentlemen:

This letter is a followup of our meeting of Wednesday, May 21, 1986 in your Trenton, New Jersey office with Mr. Dharasker and Mr. Kuhlwein. In this meeting, it was requested that we elaborate on our discussion of Wednesday, May 21, 1986.

EVERSEAL MANUFACTURING CO., INC. purchased this plant from Atlas Paint and Varnish Company and basically refiled the same permit plan Atlas Paint and Varnish Company had in effect. While the Atlas Paint and Varnish Company permit included a tank treatment (T01), it was never used by EVERSEAL MANUFACTURING CO., INC. Our original filing was done in this manner based on the recommendation of the National Paint and Coating Association and E.P.A. at that time. In October 1982, we requested delisting of the waste treatment as we WERE NOT and had never operated a Hazardous Waste Treatment Facility, but were only generators sending out material to an approved Hazardous Waste Facility for disposal (incineration).

A process tank was only used as a temporary transfer tank to facilitate the safe loading of tank wagon shipments to an authorized Hazardous Waste Treatment Facility. This method allowed for safer handling and better cleaning of the drums. When we had accumulated 20-40 drums, we would call the Hazardous Waste Facility for an appointment and pick-up. Just prior to the appointment time we would then empty the drums into one of our process tanks;



QUALITY PROTECTIVE COATINGS SINCE 1919  
PAINTS / VARNISHES / WATERPROOFINGS / CAULKING COMPOUNDS / SEALANTS / TECHNICAL COATINGS / INDIVIDUAL FORMULATIONS



This material would then be pumped into the tank wagon. The material would normally be in the process tank for only one or two days, unless the Hazardous Waste Facility called us and delayed the pick-up. After the process tank was unloaded, the tank would be cleaned and reused for the manufacturing of paint. The nature of our product mix is such that this doesn't cause us any problem.

Our waste is generated by the solvent washing (mineral spirits) of our process tanks. We use a pressure washer to spray the tanks and then pump this tank wash through process filling lines into drums. This wash is then reused in other batches of paint. Excessive amounts are stored in drums until we send it out to a Hazardous Waste Facility. In the past six (6) months we have changed our internal controls so that we reuse more wash thinner, and send out less to a Hazardous Waste Facility.

You will find enclosed, copies of the agendas of our three (3) meetings with plant personnel on Hazardous Waste, and also the building layout you requested.

I hope this information will clarify the situation and allow the delisting as requested. If you have any questions or are in need of more information, please feel free to contact me.

Yours truly,



Ronald K. Almquist  
Operations Manager

RKA/dss

Enclosure

cc: J.E. Spector

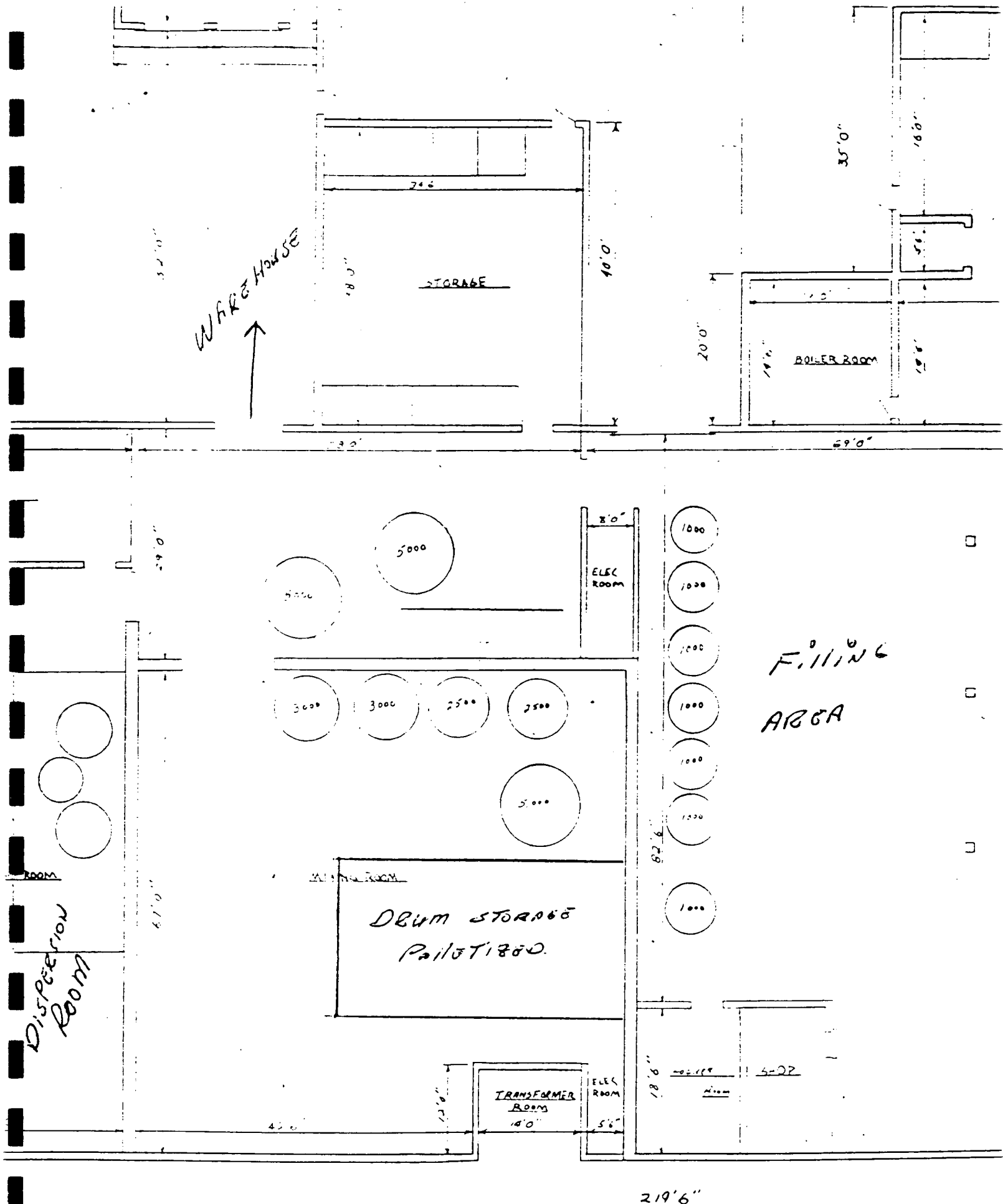
J.D. Miller

Carl Velez

A. Chang

Kevin Krause

Shree Dharasker



EVERSEAL IRVINGTON  
FLOOR LAYOUT  $\frac{1}{16}$ "  
AS=1'0" SCALE

REFERENCE NO. 4

MG

Let's protect our earth



1-C

Hw  
01268

State of New Jersey  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF HAZARDOUS WASTE MANAGEMENT

John J. Treia, Ph.D., Acting Director

CN 407

Trenton, N.J. 08625

NOV 25 1986

IN THE MATTER OF	:	ADMINISTRATIVE ORDER
EVERSEAL MANUFACTURING COMPANY	:	AND
32-50 BUFFINGTON AVENUE	:	NOTICE OF CIVIL ADMINISTRATIVE
IRVINGTON, NJ 07111	:	PENALTY ASSESSMENT

This Administrative Order and Notice of Civil Administrative Penalty Assessment is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (hereinafter "NJDEP" or the "Department") by N.J.S.A. 13:1D-1 et seq. and the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., and duly delegated to the Assistant Director for Enforcement of the Division of Hazardous Waste Management pursuant to N.J.S.A. 13:1B-4.

FINDINGS

- 1) The New Jersey Department of Environmental Protection (hereinafter "the Department") has determined that Everseal Manufacturing Company (hereinafter "Everseal") is a generator of hazardous waste and a hazardous waste facility (EPA ID #NJD002152460) as defined by N.J.A.C. 7:26-1.4 and is located at Block 179, Lot 1, 32-50 Buffington Avenue, Township of Irvington, County of Essex, State of New Jersey.
- 2) During an inspection of the above referenced facility by a Departmental representative on January 15, 1986 and January 16, 1986, the following violations were observed:
  - a. Everseal failed to provide a written waste analysis plan, in violation of N.J.A.C. 7:26-9.4(b) et seq.
  - b. Everseal failed to securely close all hazardous waste containers so that there is no escape of hazardous waste or its vapors, in violation of N.J.A.C. 7:26-9.4(d)4i.

- c. Everseal failed to arrange hazardous waste containers so that their identification labels are visible, in violation of N.J.A.C. 7:26-9.4(d)4v.
  - d. Everseal failed to inspect the hazardous waste container storage area at least daily and document such, in violation of N.J.A.C. 7:26-9.4(d)5.
  - e. Everseal failed to provide a written schedule for inspecting monitoring equipment, safety equipment and security devices, in violation of N.J.A.C. 7:26-9.4(f)3.
  - f. Everseal failed to provide a personnel training program with all applicable documentation, in violation of N.J.A.C. 7:26-9.4(g) et seq.
  - g. Everseal failed to familiarize police, fire departments and emergency response teams with the layout of the facility and hazardous waste handled, in violation of N.J.A.C. 7:26-9.6(f)1.
  - h. Everseal failed to make agreements with emergency response contractors and equipment suppliers, in violation of N.J.A.C. 7:26-9.6(f)3.
  - i. Everseal failed to make arrangements to familiarize local hospitals with the properties of hazardous waste handled and the types of injuries which could result from discharges at the facility, in violation of N.J.A.C. 7:26-9.6(f)4.
  - j. Everseal failed to provide an acceptable written contingency plan, in violation of N.J.A.C. 7:26-9.7 et seq.
  - k. Everseal failed to provide an acceptable closure plan, in violation of N.J.A.C. 7:26-9.8(e) et seq.
  - l. Everseal exceeded design limits for hazardous waste storage as specified in their Part A application, in violation of N.J.A.C. 7:26-12.3(b)3. Specifically, Everseal exceeded their design capacity by storing 2,500 gallons of hazardous waste in tank 10.
  - m. Everseal stored hazardous waste in a manner not specified in their Part A application, in violation of N.J.A.C. 7:26-12.3(c)2. Specifically, Everseal stored hazardous waste in tank 16 which is in an area not designated to store hazardous waste.
- 3) During a routine Departmental records review it was noted that Everseal was advised about the requirements for hazardous waste facilities operating on interim status under the New Jersey Hazardous Waste Regulations (N.J.A.C. 7:26-1.1 et seq.) which became effective on October 3, 1981. The facility failed to submit the following information:

- a. A brief description of the hazardous waste activities relating to the process codes filed for in May, 1981. Part A application submitted to the USEPA, in violation of N.J.A.C. 7:26-12.2(d)1.
  - b. A hazardous waste facility annual report for the year 1983, in violation of N.J.A.C. 7:26-7.6(f)2.
- 4) Based on documentation submitted to the Department by Everseal dated March 27, 1986, the Department has determined that Everseal has complied with N.J.A.C. 7:26-9.4(d)4i and N.J.A.C. 7:26-9.4(d)4v. However, as of this date Everseal has not complied with N.J.A.C. 7:26-9.4(b) et seq., 7:26-9.4(d)5, 7:26-9.4(f)3, 7:26-9.4(g) et seq., 7:26-9.6(f)1, 7:26-9.6(f)3, 7:26-9.6(f)4, 7:26-9.7 et seq., 7:26-9.8(e) et seq., 7:26-12.3(b)3, 7:26-12.3(c)2, 7:26-7.6(f)2 and 7:26-12.2(d)1.
- 5) Based on the facts set forth in these FINDINGS, the Department has determined that Everseal has violated the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. and the regulations promulgated pursuant thereto, N.J.A.C. 7:26-1 et seq., specifically N.J.A.C. 7:26-7.6(f)2, 9.4(b) et seq., 9.4(d)4i, 9.4(d)4v, 9.4(d)5, 9.4(f)3, 9.4(g) et seq., 9.6(f)1, 9.6(f)3, 9.6(f)4, 9.7 et seq., 9.8(e) et seq., 12.2(d)1, 12.3(b)3 and 12.3(c)2.

ORDER

NOW, THEREFORE, IT IS HEREBY ORDERED THAT EVERSEAL SHALL:

- 6) Within twenty one (21) calendar days of receipt of this Order prepare a waste analysis plan as set forth in N.J.A.C. 7:26-9.4(b) so as to comply with N.J.A.C. 7:26-9.4(b) et seq.
- 7) Within five (5) calendar days of receipt of this Order make arrangements to inspect the hazardous waste storage container area at least daily, looking for leaks and for deterioration caused by corrosion or other factors, and document such so as to comply with N.J.A.C. 7:26-9.4(d)5.
- 8) Within seven (7) calendar days of receipt of this Order comply with N.J.A.C. 7:26-9.4(f)3 as follows: The owner or operator shall develop and follow a written schedule for inspecting monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment that are utilized for the prevention, detection, or response to environmental or human health hazards.
  - i. The owner or operator shall submit the written inspection schedule as part of the permit application for the facility or sooner if so required by the Department.
  - ii. The Department may require modifications to the plan is inadequate to accomplish the purpose of this section.

- iii. The schedule shall be kept at the facility.
  - iv. The schedule shall identify the types of problems which are to be looked for during the inspection.
  - v. The frequency of inspection may vary for the items on the schedule, however, it shall be based on the rate of possible deterioration of the equipment and the probability of an environmental, or human health incident if the deterioration or malfunction or any operator error goes undetected between inspections. Areas subject to spills, such as loading and unloading areas, shall be inspected daily when in use.
- 9) Within twenty one (21) calendar days of receipt of this Order prepare a personnel training program with all applicable documentation, so as to comply with N.J.A.C. 7:26-9.4(g) et seq.
  - 10) Within ten (10) calendar days of receipt of this Order submit to the Department documentation regarding arrangements to familiarize police, fire departments and emergency response teams with the layout of the facility and hazardous waste handled, so as to comply with N.J.A.C. 7:26-9.6(f)1.
  - 11) Within ten (10) calendar days of receipt of this Order secure an emergency response contract for equipment suppliers and submit to the Department documentation regarding such, so as to comply with N.J.A.C. 7:26-9.6(f)3.
  - 12) Within ten (10) calendar days of receipt of this Order make arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or discharges at the facility and submit documentation of such to the Department, so as to comply with N.J.A.C. 7:26-9.6(f)4.
  - 13) Within twenty (20) calendar days of receipt of this Order revise contingency plan to meet all requirements pursuant to N.J.A.C. 7:26-9.7 et seq. and submit revised copy to the Department, and all other applicable agencies.
  - 14) Within ten (10) calendar days of receipt of this Order revise closure plan to meet all applicable regulations pursuant to N.J.A.C. 7:26-9.8(e) et seq.
  - 15) Within ten (10) calendar days of receipt of this Order either revise Part A application to include increased design capacity for tank 10, or reduce volume of tank 10 to present capacity levels as per Part A application, so as to comply with N.J.A.C. 7:26-12.3(b)3.
  - 16) Within ten (10) calendar days of receipt of this Order either revise Part A application to include additional hazardous waste storage area (tank 16) or; cease storing hazardous waste in an

area not designated to store hazardous wastes as per Part A application.

- 17) Within fifteen (15) calendar days of this Order submit to the Department the following:
- a. A brief description of the hazardous waste activities relating to the process codes filed for in May 1981 Part A application submitted to the USEPA, so as to comply with N.J.A.C. 7:26-12.2(d)1.
  - b. A hazardous waste facility annual report for the year 1983, so as to comply with N.J.A.C. 7:26-7.6(f)2.

- 18) Submit all information, correspondence or data requested in paragraphs 6 through 16 to:

New Jersey Department of Environmental Protection  
Division of Hazardous Waste Management  
Bureau of Field Operations  
Metro Field Office  
2 Babcock Place  
West Orange, NJ 07052  
Attention: Michael Hastry

- 19) Submit all information or reports requested in paragraph 17 to:

New Jersey Department of Environmental Protection  
Division of Hazardous Waste Management  
Engineering, Permits and Licensing  
32 East Hanover Street  
CN 028  
Trenton, NJ 08625  
Attention: Edward J. Londres

- 20) Within thirty (30) calendar days upon receipt of this Order submit the enclosed VERIFICATION OF COMPLIANCE by certified mail, return receipt requested or by hand delivery to:

New Jersey Department of Environmental Protection  
Division of Hazardous Waste Management  
CN 407  
Trenton, NJ 08625  
Attention: Michael Hastry

NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT

- 21) Pursuant to N.J.S.A. 13:1E-9e and based upon the above FINDINGS, the Department has determined that a civil administrative penalty should be assessed against Everseal in the amount of \$5,000.
- 22) Payment of the penalty is due when a final order is issued by the Commissioner subsequent to a hearing, if any, or when this Administrative Order and Notice of Civil Administrative Penalty

Assessment becomes a final order (see following paragraph).  
Payment shall be made by certified check payable to "Treasurer,  
State of New Jersey" and shall be submitted to:

New Jersey Department of Environmental Protection  
Division of Hazardous Waste Management  
CN 407  
Trenton, NJ 08625  
Attention: Assistant Director for Enforcement

- 23) If no request for a hearing is received within twenty (20) calendar days from receipt of this Notice of Civil Administrative Penalty Assessment, it shall become a final order upon the twenty-first calendar day following its receipt and the penalty shall be due and payable.

#### NOTICE OF RIGHT TO A HEARING

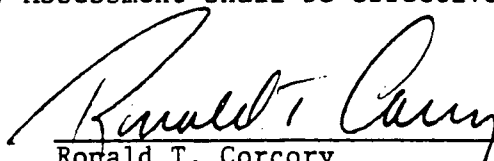
- 24) Pursuant to N.J.S.A 52:14B-1 et seq. and N.J.S.A. 13:1E-9, Everseal is entitled to an administrative hearing. Any hearing request shall be delivered to the address referenced in paragraph 22 within twenty (20) calendar days from receipt of this Administrative Order and Notice of Civil Administrative Penalty Assessment.
- 25) Pursuant to N.J.S.A. 52:14B-9(b) and N.J.A.C. 17:1-6.1(b), Everseal shall, in its request for a hearing, furnish NJDEP with the following:
- a. A statement of the legal authority and jurisdiction under which the hearing or action to be taken is to be held;
  - b. A reference to the particular sections of the statutes and rules involved;
  - c. A short and plain statement of the matters of fact and law asserted; and
  - d. The provisions of this Administrative Order and Notice of Civil Administrative Penalty Assessment to which Everseal objects, the reasons for such objections, and any alternative provisions proposed.

#### GENERAL PROVISIONS

- 26) This Administrative Order and Notice of Civil Administrative Penalty Assessment is binding on Everseal, its principals, directors, officers, agents, successors, assigns, any trustee in bankruptcy or other trustee, and any receiver appointed pursuant to a proceeding in law or equity.
- 27) Notice is given that violations of any statutes, rules or permits other than those herein cited may be cause for additional enforcement actions, either administrative or judicial. By

issuing this Administrative Order and Notice of Civil Administrative Penalty Assessment the Department does not waive its rights to initiate additional enforcement actions.

- 28) No obligations imposed by this Administrative Order and Notice of Civil Administrative Penalty Assessment (with the exception of paragraph 21, above) are intended to constitute a debt, damage claim, penalty or other civil action which should be limited or discharged in a bankruptcy proceeding. All obligations are imposed pursuant to the police powers of the State of New Jersey, intended to protect the public health, safety, welfare and environment.
- 29) Notice is given that pursuant to N.J.S.A. 13:1E-9e, the Department is authorized to assess a civil administrative penalty of not more than \$25,000.00 for each violation and additional penalties of not more than \$2,500.00 for each day during which the violation continues after receipt of an administrative order from the Department.
- 30) Notice is further given that pursuant to N.J.S.A. 13:1E-9f, any person who violates N.J.S.A. 13:1E-1 et seq. or any code, rule or regulation promulgated thereunder shall be liable to a penalty of not more than \$25,000.00 per day of such violation, and each day's continuance of the violation shall constitute a separate violation.
- 31) Notice is further given that pursuant to N.J.S.A. 13:1E-9f, any person who violates an administrative order issued pursuant to N.J.S.A. 13:1E-9c, or a court order issued pursuant to N.J.S.A. 13:1E-9d, or who fails to pay a civil administrative penalty in full after it is due shall be subject upon order of a court to a civil penalty not to exceed \$50,000.00 per day of such violation and each day's continuance of the violation shall constitute a separate violation.
- 32) Except as provided above in the Notice of a Right to a Hearing Section, this Administrative Order and Notice of Civil Administrative Penalty Assessment shall be effective upon receipt.

  
\_\_\_\_\_  
Ronald T. Corcory  
Acting Assistant Director - Enforcement  
Division of Hazardous Waste Management

1. EPA ID: WJID101211512161012. HANDLER NAME: EVERSEAL MANUFACTURING Co.3. ADDRESS: IRVING TOL. NJ4. ENTRY TYPE: New ☒ Update ☐4A. FULL NAME OF EVALUATION CONTACT PERSON:  
(PRINT CLEARLY) Phone:5. DATE OF INITIAL EVALUATION WHICH  
IS THE BASIS FOR THIS REPORT: 1/1/5A. AGENCY RESPONSIBLE  
FOR EVALUATION: 51  
(Select a code.  
Enter code in box.)E = EPA S = State  
X = EPA Oversight B = Contractor/State  
C = Contractor/EPA J = Joint  
O = Other6. KIND OF EVALUATION  
COVERED BY THIS REPORT: 3  
(Choose one of the codes  
listed. Enter code in box.)1 = Compliance Evaluation Inspection (CEI)  
2 = Sampling Inspection (CSI)  
3 = Record Review  
4 = Comprehensive Groundwater  
Monitoring Evaluation (CME)  
5 = Follow Up Evaluation  
6 = Other - Citizen Complaint (Inspec.)  
7 = Other - Part B Call-In (Inspection)  
8 = Other - Withdrawal Candidate (Inspec.)  
9 = Other - Closed Facility (Inspection)  
10 = Other - General (Inspection)  
11 = Case Development Inspection7. EVALUATION CATEGORY: 71 (Enter code in box. See reverse side for choice of codes.)7. DATE OF SUBSEQUENT EVALUATION: 1/1/ (Do NOT fill in this item unless you are reporting a subsequent evaluation.  
The date of the initial evaluation MUST be reported in Item 5.)8. AREA OF EVALUATION AND CLASS OF VIOLATION:  
Enter in the appropriate box:

"X" if a violation is found.

"O" if no violations are found.

"Z" if the area evaluated is still under review.

"R" (used in the "GWM/Rel" box only) if a  
release is found.

"B" if both a release and violation are found ("GWM/Rel" box only).

CLASS OF VIOLATION	AREA OF EVALUATION (Enter an X, O, Z, R, or B in each Area which was evaluated)						
	GWM/Rel	Cto/PC	Fin Resp	Part B	Compl Schd	Manifest	Other
I							
II							

9. ENFORCEMENT ACTIONS:

Class of Vio	Area of Vio	Action Type (Use code)	Date Action Taken	Compliance Dates		Penalty		Resp Agen (Use code)	Enf. Contact Person (Full Name)
				Scheduled	Verified	Assessed	Collected		

Codes for Type of Enforce-  
ment Action: 02 = §3007 Info. Request

03 = Warning Letter/NOV

04 = §3008(a) Complaint

05 = §3008(a) Final Order

06 = §3013 Order (Initial)

07 = §3013 Order (Final)

08 = §7003 Admin. Order

10 = Informal Action

11 = Civil Action (by DOJ)

12 = Filed Criminal Action

13 = NOV (From EPA to State)

14 = NOV (From State to EPA)

15 = §3008(h) Complaint

16 = §3008(h) Final Order

17 = CERCLA §106 Admin. Order

18 = Civil Referral (to AG/DOJ)

19 = Final Judicial Order

20 = CERCLA §104 Fund Activity

Codes for Respon-  
sible Agency:

E = EPA

X = EPA Oversight

S = State

9A. STATUS OF ENFORCEMENT ACTION: ☐ ACTIVE ☐ VIOLATING ☐ RESOLVED ☐ RESCINDED ☐ PROGRESSED STATUS DATE: 1/1/  
(Place an "X" in front of the current status of the enforcement action. See reverse side for status definitions.)

10. COMPLIANCE SCHEDULE MILESTONES (See reverse side.)

11. COMMENTS:

(Limit each comment to 80 characters. Up to 99 comments possible. Use reverse side of page, if necessary.)

REFERENCE NO. 5

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WASTE MANAGEMENT  
BUREAU OF FIELD OPERATIONS

Copies Forwarded: 5  
2/6/86  
15 WAB  
07-09-11

ENFORCEMENT REFERRAL

TO: John Skovick through K. Ward DATE: 1-31-86  
FROM: Kevin Krause REGION: Metro  
RE: Everseal Manufacturing Co. NJD002152460 32-56 Buffington Ave.  
Name of Facility ID Number Location Address  
BL 179 L1 Irvington Essex  
Lot and Block Township County  
32-50 Buffington Ave. Irvington Ron Almqvist  
Mailing Address Responsible Party

The attached inspection/investigation report(s) dated 1-15-86, 1-16-86 is being referred and it is recommended a NOV be issued for violations of:

NJAC 7:26- 12.3(b)3 exceeded limits specified in Part A  
12.3(c)2 storage not specified in Part A  
9.4(b) et seq. no waste analysis plan  
9.4(f)3 et seq. no inspection schedule logs etc.  
9.4(g) et seq. deficient personnel training  
9.6(f)3+4 deficient preparedness  
9.8(e)1,1i,2,3,4 deficient closure plan  
9.4(h)4v containers not labelled  
9.4(d)5 containers not inspected  
9.7 et seq. deficient contingency plan

Suggested penalty: \_\_\_\_\_

ADDITIONAL COMMENTS:

Violations noted during routine  
facility inspection for compliance  
with RCRA regulations:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

REVIEWED AND APPROVED BY:

Anthony J. Cavalieri  
2-5-86

# GENERATOR INSPECTION CHECKLIST

		<u>YES</u>	<u>NO</u>	<u>N/A</u>
7:26-8.5	<u>Hazardous waste determination</u>			
	(a) Did the generator test its waste to determine whether it is hazardous?	<u>/</u>	<u>/</u>	<u>—</u>
	Is the waste hazardous?	<u>/</u>	<u>—</u>	<u>—</u>
7:26-8.5(b)2	Is the generator determining that its waste exhibits a hazardous waste characteristic(s) based on its knowledge of the material(s) or processes used?	<u>/</u>	<u>—</u>	<u>—</u>
	Has hazardous waste been shipped off site since November 19, 1980?	<u>/</u>	<u>—</u>	<u>—</u>
	If yes, how many shipments, off site, have been made and describe the approximate size of an average shipment made on a monthly basis. If facility is a small quantity generator, please explain.			
	1985 - 10			
	1984 - 7			
	1983 - 6			
7:26-7.4(a)1	Does the generator have an EPA ID #?	<u>/</u>	<u>—</u>	<u>—</u>
7:26-7.4(a)4	Does each manifest have the following information? Please circle the elements missing and obtain a copy of the incomplete manifests. (List those manifests that are deficient)	<u>/</u>	<u>—</u>	<u>—</u>
7:26-7.4(a)4i	The generator's name, address and phone number?	<u>/</u>	<u>—</u>	<u>—</u>
7:26-7.4(a)4ii	The generator's EPA ID number?	<u>/</u>	<u>—</u>	<u>—</u>
7:26-7.4(a)4iii	The transporter(s) name, address and phone number?	<u>/</u>	<u>—</u>	<u>—</u>
7:26-7.4(a)4iv	The transporter(s) EPA ID number?	<u>/</u>	<u>—</u>	<u>—</u>
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility?	<u>/</u>	<u>—</u>	<u>—</u>
7:26-7.4(a)4vi	The TSDF's EPA ID number?	<u>/</u>	<u>—</u>	<u>—</u>
7:26-7.4(a)4vii	The name, type and quantity of hazardous waste being shipped, including such particulars as may be required regarding same?	<u>/</u>	<u>—</u>	<u>—</u>

		<u>YES</u>	<u>NO</u>	<u>N/A</u>
7:26-7.4(a)4viii	Special handling instructions and any other information required on the form to be shipped by the generator?	/	—	—
7:26-7.4(a)5	Before allowing the manifested waste to leave the generator's property, did the generator:			
7:26-7.4(a)5i	Sign the manifest certification by hand?	/	—	—
7:26-7.4(a)5ii	Obtain the handwritten signature of the initial transporter and date of acceptance on the manifest?	/	—	—
7:26-7.4(a)5iii	Retain one copy and forward one copy to the state of origin and one copy to the state of destination?	/	—	—
7:26-7.4(a)5iv	Give remaining copies of the manifest form to the transporter?	/	—	—
7:26-7.4(f)1	Has the generator maintained facility records for three (3) years? (Manifest(s), exception report(s) and waste analysis)	/	—	—
7:26-7.4(h)1	Has the generator received signed copies of portion B (from the TSD facility) of all manifests for waste shipped off site more than 35 days ago?	/	—	/
7:26-7.4(h)2	If not:			
	1. Did the generator contact the hauler and/or the owner or operator of the TSDF and the NJDEP at 609-292-9877 to inform the NJDEP of the situation, and	—	—	/
	2. Have exception reports been submitted to the Department covering any of these shipments made more than 45 days ago?	—	—	/
	Before transporting or offering hazardous waste for transportation off site, does the generator?			
7:26-7.2(a)	Conspicuously label appropriate manifest numbers on all hazardous waste containers that are intended for shipment?	—	—	—
7:26-7.2(b)	Insure that all containers used to transport hazardous waste off site are in conformance with applicable DOT regulations (i.e., 49 CFR 171 - 49 CFR 179)?	—	—	—

YES   NO   N/A

7:26-9.3

Accumulation time

How is waste accumulated on site?



Containers



Tanks (complete HWMF checklist)



Aboveground



Below ground



Surface impoundments (complete HWMF checklist)



Piles (complete HWMF checklist)

7:26-9.3(a)3

Is each container clearly dated with each period of accumulation so as to be visible for inspection?

—

—

/

7:26-9.3(a)1

Is waste accumulated for more than 90 days?

—

/

—

If yes, complete HWMF checklist.

STOP HERE IF THE HAZARDOUS WASTE MANAGEMENT FACILITY (TSD) CHECKLIST IS FILLED OUT.

# HAZARDOUS WASTE FACILITY STANDARDS

YES   NO   N/A

## 7:26-9.4(b)   Waste Analysis

7:26-9.4(b)1i   Is there a detailed chemical and physical analysis of a representative sample of the waste(s) or each waste? (At a minimum, this analysis must contain all the information necessary for proper treatment, storage or disposal of the waste.)

—   ✓   —

7:26-9.4(b)1iii   Does the character of the waste handled at the facility change from day to day, week to week, etc., thus requiring frequent testing?  
Check only one:

Waste characteristics vary

All waste(s) are basically the same ✓

Company treats all waste(s) as hazardous ✓

—   —   —

7:26-9.4(b)2   Is there a written waste analysis plan at the facility?

✓   —   —

Does it contain:

7:26-9.4(2)i   Parameters for which each hazardous waste stream will be analyzed including constituents listed in NJAC 7:26-8.16 and the rational for the selection of these parameters?

—   ✓   —

7:26-9.4(b)2ii   The test methods which will be used to test for these parameters?

—   ✓   —

7:26-9.4(b)2iii   The sampling method which will be used to obtain a representative sample of the waste to be analyzed?

—   ✓   —

7:26-9.4(b)2iv   The frequency with which the initial analysis of the waste will be reviewed or repeated to ensure that the analysis is accurate and up-to-date?

—   ✓   —

7:26-9.4(b)2v   For off-site facilities, the waste analysis that hazardous waste generators have agreed to supply?

—   —   ✓

7:26-9.4(b)2vii   Procedures which will be used to identify changes in waste stream characteristics?

—   ✓   —

7:26-9.4(b)3   Did the owner or operator submit the waste analysis plan to the Department?

—   ✓   —

If yes, when was the plan submitted?

YES    NO    N/A

Does hazardous waste come to this facility from an outside source? (e.g., another generator)

—    /    —

If yes, list the name(s) of generators.

7:26-9.4(b)4

If waste comes from an outside source, are there procedures in the waste analysis plan to insure that waste received conforms to the accompanying manifest?

—    —    /

Does the plan describe:

7:26-9.4(b)4i

The procedures which will be used to determine the identity of each shipment of waste managed at the facility?

—    —    /

7:26-9.4(b)4ii

The sampling method which will be used to obtain a representative sample of the waste to be identified, if the identification method includes sampling?

—    —    /

7:26-9.4(h)

Security

Does the facility have:

7:26-9.4(h)1i

A 24 hour surveillance system which continuously monitors and controls entry onto the active portion of the facility?

/    —    —

7:26-9.4(h)1ii

An artificial or natural barrier, which completely surrounds the active portion of the facility; and a means to control entry, at all times, through the gates or other entrances to the active portion of the facility?

/    —    —

7:26-9.4(h)3

Are there "Danger-Unauthorized Personnel Keep Out" signs posted at each entrance to the facility?

/    —    —

If no, explain what measures are taken for security.

YES NO N/A

7:26-9.4(f) General Inspection Requirements

7:26-9.4(f)1 Does the owner or operator inspect the facility for malfunctions and deterioration, operator errors and discharges which may be causing, or may lead to:

7:26-9.4(f)1i Discharge of hazardous waste constituents to the environment?

7:26-9.4(f)1ii A threat to human health?

7:26-9.4(f)3 Has the owner or operator developed, and does the owner or operator follow a written schedule for inspecting monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment that are utilized for the prevention, detection or response to environmental or human health?

7:26-9.4(f)3i Did the owner or operator submit the written inspection schedule to the department?

If yes, when was it submitted?

N/A

7:26-9.4(f)3iii Is the written inspection schedule kept at the facility?

7:26-9.4(f)3iv Does the schedule identify the types of problems to be looked for during the inspection?

7:26-9.4(f)3v Does the schedule include the frequency of inspection, based upon the rate of possible deterioration of the equipment and the probability of an environmental, or human health incident if the deterioration or malfunctions or any operator error goes undetected between inspections?

7:26-9.4(f)5 Is there evidence that problems reported in the inspection log have been remedied?

7:26-9.4(f)6 Does the owner/operator record inspections in a log?

Since Jan. 1, 1986

Are these records kept for at least three (3) years from the date of inspection?

		<u>YES</u>	<u>NO</u>	<u>N/A</u>
	Does the records include the date, and time of the inspection, the name of the inspector, a notation of the observations made, and the date and nature of any repairs or other remedial action?	—	—	—
7:26-9.4(g)	<u>Personnel training</u>			
	Have facility personnel successfully completed a program of classroom instruction or on-the-job training within 6 months of having been employed?	—	✓	—
7:26-9.4(g)2	Is the program directed by a person trained in hazardous waste management procedures and does it include instruction which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed?	—	✓	—
7:26-9.4(g)5	If yes, have facility personnel taken part in an annual review of training?	—	✓	—
	Is there written documentation of the following:	—	—	—
7:26-9.4(g)6i	Job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job?	—	—	—
7:26-9.4(g)6ii	A written job description for each position related to hazardous waste management?	—	—	—
7:26-9.4(g)6iii	A written description of the type and amount of both introductory and continuing training given to personnel in jobs related to hazardous waste management?	—	—	—
7:26-9.4(g)6iv	Documentation of actual training or experience received by personnel?	—	—	—
7:26-9.4(g)7	Are training records kept on all current employees until closure of the facility and training records kept on former employees for 3 years from their last date of employment?	—	—	—
7:26-9.4(g)8	Are semi-annual drills conducted involving all employees and appropriate local authorities to test emergency response capabilities at the facility in accordance with the contingency plan and emergency procedures development pursuant to NJAC 7:26-9.7?	—	—	—

		YES	NO	N/A
7:26-9.6	<u>Preparedness and prevention</u>			
	Does the facility comply with preparedness and prevention requirements including maintaining:			
7:26-9.6(b)1	An internal communications or alarm system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-9.6(b)2	A telephone or other device to summon emergency assistance from local authorities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-9.6(b)3	Portable fire equipment, spill control equipment, and decontamination equipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-9.6(b)4	Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-9.6(c)	Is equipment <u>tested</u> and <u>maintained</u> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-9.6(d)1	Is there immediate access to communications or alarm systems during handling of hazardous waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7:26-9.6(e)	Adequate aisle space to allow unobstructed movement of personnel fire protection equipment, spill control equipment and decontamination equipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If no, please explain.			
	In your opinion, do the types of waste on site require all of the above procedures, or are some not required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Explain.			
7:26-9.6(f)	Has the facility made the following arrangements, as appropriate for the type of waste handled on site?			
7:26-9.6(f)1	Familiarize police, fire departments and emergency response teams with the layout of the facility and hazardous waste handled?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		<u>YES</u>	<u>NO</u>	<u>N/A</u>
7:26-9.6(f)2	Where more than one police and fire department might respond to an emergency, is there an agreement designating primary emergency authority to a specific police or fire department, and agreements with any others to provide support to the primary emergency authority? <i>Irvington F.D.</i>	—	—	✓
7:26-9.6(f)3	Agreements with emergency response contractors, and equipment suppliers?	—	✓	—
7:26-9.6(f)4	Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or discharges at the facility? <i>Irvington General</i>	—	✓	—
7:26-9.6(f)5	Arrangements with local fire departments to inspect the facility on a regular basis with at least two (2) inspections annually? <i>no documentation</i>	✓	—	—
7:26-9.7	<u>Contingency plan and emergency procedures</u>			
7:26-9.7(a)	Does the facility have a written contingency plan for emergency procedures designed to deal with fires, explosions, hazards to human health or environment, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water?	✓	—	—
7:26-9.7(b)	Are provisions of the plan carried out immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment?	—	—	—
7:26-9.7(c)	Does the contingency plan describe the actions facility personnel shall take in response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility?	—	✓	—
7:26-9.7(d)	Did the owner or operator prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan in accordance with 40 CFR 112 or 151 or a Discharge Prevention, Containment and Countermeasure (DPCC) Plan in accordance with N.J.A.C. 7:1E-4.1 et seq.?	—	—	—
	If yes, did the owner or operator amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this section?	—	—	—

- 7:26-9.7(e) Does the plan describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services? ☒ ☐ ☐
- 7:26-9.7(f) Does the plan list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and is this list kept up-to-date? Where more than one person is listed, one shall be named as primary emergency coordinator and others shall assume responsibility as alternates. ☐ ☒ ☐
- 7:26-9.7(g) Does the plan include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required? Is the list kept up-to-date? In addition, does the plan include the location and a physical description of each item on the list, and a brief outline of its capabilities? ☐ ☒ ☐
- 7:26-9.7(h) Does the plan include an evacuation procedure for facility personnel where there is a possibility that evacuation could be necessary? Does this plan describe signal(s) to be used to begin evacuation, evacuation routes, and alternative evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires)? ☐ ☒ ☐
- 7:26-9.7(i) Is a copy of the contingency plan and all revisions to the plan:
1. Maintained at the facility; and ☒ ☐ ☐
  2. Has the contingency plan been submitted to local authorities (police, fire departments, emergency response teams)? ☐ ☐ ☐
- 7:26-9.8 Closure plan
- 7:26-9.8(c) Does the facility have a written closure plan? ☒ ☐ ☐
- Does the owner/operator keep a written copy of the closure plan and all revisions to the plan at the facility? ☒ ☐ ☐
- If yes, does the plan include:

		YES	NO	N/A
7:26-9.8(e)1i	A description of how and when the facility will be partially closed (if applicable) and ultimately closed?	—	✓	—
7:26-9.8(e)1ii	The maximum extent of the operation which will be open during the life of the facility?	—	✓	—
7:26-9.8(e)2	An estimate of the maximum inventory of wastes in storage or in treatment at any given time during the life of the facility?	—	✓	—
7:26-9.8(e)3	A description of the steps needed to decontaminate facility equipment during closure?	—	✓	—
7:26-9.8(e)4	A schedule for final closure including the anticipated date when the wastes will no longer be received, the date when completion of final closure is anticipated, and intervening milestone dates which will allow tracking of the progress of closure?	—	✓	—
	<u>Post Closure Plan</u>			
7:26-9.9(g)	Does the facility have a written post-closure plan kept at the facility?	—	—	✓
	If yes, does the plan:			
7:26-9.9(i)	Identify the activities which will be carried on after closure and the frequency of these activities?	—	—	✓
7:26-9.9(i)1	Include a description of the planned ground-water monitoring activities and frequencies at which they will be performed?	—	—	✓
7:26-9.9(i)2	Include a description of the planned maintenance activities, and frequency at which they will be performed, to insure the following:	—	—	✓
7:26-9.9(i)2i	The integrity of the cap and final cover or other containment structures where applicable?	—	—	✓
7:26-9.9(i)2ii	Describe the function of the facility monitoring equipment?	—	—	✓
7:26-9.9(i)3	Include the name, address and phone number of a person or office to contact about the disposal facility during the post-closure period?	—	—	✓
	Does the owner/operator have a written estimate of the cost of post-closure for the facility?	—	—	✓
	If yes, what is it?			

Please circle all appropriate activities and answer questions on indicated pages for all activities circled.

<u>Storage</u>	<u>Treatment</u>	<u>Disposal</u>
Container - pg. 9	Tank - pg. 12	Landfill - pg. 18
Tank, above ground - pg. 12	Surface Impoundments - pg. 15	
Tank, below ground - pg. 12	Incineration - pg. 20	Surface Impoundments - pg. 15
Surface Impoundments - pg. 15	Thermal Treatment - pg. 23	Other _____
Waste Piles - pg. 17		
Other _____	Chemical, Physical and Biological Treatment - pg. 25	
	Other _____	

YES   NO   N/A

7:26-9.4(d)

Containers

What type of containers are used for storage?  
Describe the size, type, quantity and nature  
of wastes (e.g., 12 fifty-five gallon drums  
of waste acetone)

unlabeled 55 gal  
drums  
at least 1

7:26-10.4(b)

Is there a containment system for spills,  
leaks and precipitation?

Is yes, describe the containment system.

7:26-9.4(d)1i

Do the containers appear to be of sturdy leak-  
proof construction of adequate wall thickness,  
weld, hinge and seam strength, and of  
sufficient material strength to withstand  
side and bottom shock, while filled, without  
impairment of the container's ability to  
contain hazardous waste?

If no, explain.

YES    NO    N/A

7:26-9.4(d)1ii

Are the lids, caps, hinges or other closure devices of sufficient strength that when closed, they will withstand dropping, overturning or other shock without impairment of the container's ability to contain hazardous waste?

✓                  

If no, explain.

7:26-9.4(d)2

Do the containers appear to be in good condition, not in danger of leaking?

✓                  

7:26-9.4(d)2

If not, please describe the type, condition and number of leaking or corroded containers. Be detailed and specific.

7:26-9.4(d)4i

Are all containers securely closed, except those in use, so that there is no escape of hazardous waste or its vapors?

         ✓         

If no, explain.

7:26-9.4(d)4iii

Do containers appear to be properly opened, handled or stored in a manner which will minimize the risk of the container rupturing or leaking?

✓                  

If no, explain.

7:26-9.4(d)iv

Are containerized hazardous wastes segregated in storage by waste type?

7:26-9.4(d)v

Are containerized hazardous wastes arranged so that their identification label is visible?

7:26-9.4(d)3

Are hazardous wastes stored in containers made of compatible materials?

		YES	NO	N/A
7:26-9.4(d)5	Does the owner/operator inspect the container storage area at least <u>daily</u> , looking for leaks and for deterioration caused by corrosion or other factors? <u>not documented</u>	—	✓	—
7:26-9.4(d)6	Are containers holding ignitable and reactive waste located at least 50 feet (15 meters) away from the facility's property line?	✓	—	—
7:26-9.4(d)7i	Are incompatible wastes, or incompatible wastes and materials placed in the same container?	—	✓	—
	If yes, explain.			
7:26-9.4(d)7ii	Are hazardous wastes placed in unwashed containers that previously held incompatible wastes?	—	✓	—
	If yes, explain.			
7:26-9.4(d)7iii	Are containers holding hazardous waste that are incompatible with any waste or other materials stored nearby in other containers, open tanks, or surface impoundments separated from the other materials or protected from them by means of a dike, berm, wall or other device?	—	—	—
7:26-9.4(e)1i	Are ignitable, reactive or incompatible wastes protected from sources of ignition or reaction?	—	—	—
	If no, explain.			
7:26-9.4(e)1ii	Does the owner/operator confine smoking and open flames to specially designated locations when ignitable or reactive wastes are being handled?	—	—	—
	If no, explain.			

		<u>YES</u>	<u>NO</u>	<u>N/A</u>
7:26-9.4(e)1iii	Does the owner/operator conspicuously place "No Smoking" signs whenever there is a hazard from ignitable or reactive waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If the treatment, storage or disposal of ignitable or reactive waste, and the mixture of incompatible wastes and materials, conducted so that it does not:			
7:26-9.4(e)2i	Generate extreme heat or pressure, fire or explosion, or violent reaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7:26-9.4(e)2ii	Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7:26-9.4(e)2iii	Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7:26-9.4(e)2iv	Damage the structural integrity of the device or facility containing the waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7:26-9.4(e)2v	Threaten human health or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

7:26-11.2

Tanks

What are the approximate number and size of tanks containing hazardous waste?

1 - 5,000  
1 - 3,000

Identify the waste treated stored in each tank.

See page 10 for details

General Operating Requirements

7:26-11.2(a)2

Are hazardous wastes or treatment reagents placed in the tank that could cause the tank or its inner liner to rupture, leak or corrode?

If yes, please explain.

Are there leaking tanks?

		<u>YES</u>	<u>NO</u>	<u>N/A</u>
7:26-11.2(a)2	Are all hazardous wastes or treatment reagents being placed in tanks compatible with the tank material so that there is no danger or ruptures, corrosion, leaks or other failures?	<u>/</u>	<u>  </u>	<u>  </u>
7:26-11.2(3)	Do uncovered tanks have at least 2 feet of freeboard or an adequate containment structure?	<u>  </u>	<u>  </u>	<u>/</u>
7:26-11.2(a)4	If waste is continuously fed into a tank, is the tank equipped with a means to stop the inflow from the tank, e.g., bypass system to a standby tank?	<u>  </u>	<u>  </u>	<u>/</u>
7:26-11.2(c)	<u>Inspections</u>			
	Is the tank(s) inspected for:			
	1. Discharge control equipment (each operating day)	<u>  </u>	<u>/</u>	<u>  </u>
	2. Monitoring equipment (each operating day)	<u>  </u>	<u>/</u>	<u>  </u>
	3. Level of waste in tank (each operating day)	<u>  </u>	<u>/</u>	<u>  </u>
	4. Construction of materials of the tank (weekly)	<u>  </u>	<u>/</u>	<u>  </u>
	5. Are the tanks and surrounding areas (e.g., dike) inspected weekly for leaks, corrosion or other failures (weekly)?	<u>  </u>	<u>/</u>	<u>  </u>
7:26-9.2(b)	Are there underground tanks used to store hazardous waste?	<u>  </u>	<u>/</u>	<u>  </u>
	If yes, how many and can they be entered for inspection?	<u>  </u>	<u>  </u>	<u>  </u>
	Has the underground tank been in use on or before November 19, 1980? Specify date.	<u>  </u>	<u>  </u>	<u>  </u>
	If no, when was the tank placed in use?			
7:26-11.2(e)	Are ignitable or reactive wastes stored in a manner which protects them from a source of ignition or reaction?	<u>  </u>	<u>  </u>	<u>  </u>
	If no, please explain.			

		<u>YES</u>	<u>NO</u>	<u>N/A</u>
7:26-11.2(f)	Does it appear that incompatible wastes are being stored separate from each other?	—	—	—
7:26-9.2(b)3i	Does the facility have a groundwater monitoring plan approved by the Department?	—	—	—
7:26-9.2(b)3ii	Is the use of the tank specified to the manufacturers recommended lifetime?	—	—	—
7:26-10.5(e)6	Are the underground tanks subjected to periodic integrity testing?	—	—	—

REFERENCE NO. 6

DEPARTMENT OF ENVIRONMENTAL PROTECTION

"WORKER AND COMMUNITY RIGHT TO KNOW ACT"  
EMERGENCY SERVICES INFORMATION SURVEY (ESIS)

01484000000--2851--0249--~~0000~~  
1. EVERSEAL  
2. MANUFACTURING CO INC JAN 31 1981  
3. 475 BROAD AVENUE  
4. RIDGEFIELD N J  
5.  
6.  
MU: RIDGEFIELD BORO 07657

(A) FACILITY LOCATION  
Does this label accurately show the facility location?  
Enter changes:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

(B) DOES THIS FACILITY USE, STORE, OR PRODUCE ANY QUANTITY OF ANY MATERIAL LISTED ON THE ATTACHED HAZARDOUS MATERIALS TABLE? (See Instructions)  
If "no", sign the certification below ☒ YES ☐ NO  
If "yes", complete the form using the code numbers provided.

ENTER CODES

CONTAINER	MIXTURE	INVENTORY	UNIT
(4)	(5)	(6)	(7)



FOR OFFICIAL USE ONLY

(1) HAZARDOUS MATERIALS DESCRIPTION (2) HAZARD CLASS (3) ID NO.

1. AMMONIA SOLUTION	8	UN	2672
2. AMYL METHYL KETONE	3.3	UN	1110
3. BUTANOL	3.3	UN	1120
4. BUTYL ACETATE	3.2	UN	1123
5. DRIERS, PAINT OR VARNISH, LIQUID	3.3	UN	1168
6. EPICHLOROHYDRIN	6.1	UN	2023
7. ETHYLENE GLYCOL MONOBUTYL ETHER	6.1	UN	2369
8. ETHYLENE GLYCOL MONOETHYL ETHER	3.3	UN	1171
9. ETHYLENE GLYCOL MONOETHYL ETHER	3.3	UN	1172

(10) ☒ Check here if the information is continued on the reverse side.

☐ Check here if an "R&D" exemption is claimed. (See Instructions)

(C) CERTIFICATION OF COMPANY OFFICIAL  
I, hereby, certify that all statements made by me are true, complete and correct to the best of my knowledge.

SIGNATURE Robert B. Sobers DATE 01-09-86 TITLE CORP. V.P.  
Name (Print) ROBERT B SOBERS Phone Number 201 943-4986

(D) NOTE: MAKE COPIES OF THIS FORM! The Law requires that you send copies of this report to your Local Fire and Police Departments. Enter their respective phone numbers, name and addresses, (including Zip Code) in the spaces below and send them both a copy.

Return original to:  
NJDEP SURVEY  
CN 405  
Trenton, NJ 08625

☐ 1 ☐ 2 ☐ 3 ☐ 4

POLICE DEPT. Phone Number (201) 943-5210

Name RIDGEFIELD POLICE DEPT  
Address 604 BROAD AVE. - RIDGEFIELD, NJ

Municipality RIDGEFIELD Zip Code 07657

FIRE DEPT. Phone Number 201 943-5210

Name RIDGEFIELD FIRE DEPT.  
Address 604 BROAD AVE. - RIDGEFIELD, N.J.

Municipality RIDGEFIELD Zip Code 07657

# "WORKER AND COMMUNITY RIGHT TO KNOW ACT"

## ENVIRONMENTAL SURVEY—PART I (SHORT FORM)

01484000000--2851--0249--~~273785~~

1. EVERSEAL  
 2. MANUFACTURING CO INC JAN 31 1985  
 3. 475 BROAD AVENUE  
 4. RIDGEFIELD N J  
 5.  
 6.  
 MU: RIDGEFIELD BORO 07657

**(A) FACILITY LOCATION**

Does this label accurately show the facility location?  
 Enter changes:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

**(B) DOES THIS FACILITY USE, STORE, OR PRODUCE ANY QUANTITY OF ANY SUBSTANCE LISTED ON THE ATTACHED ENVIRONMENTAL HAZARDOUS SUBSTANCES LIST? (See Instructions)**

If "no", sign the certification below

☒ YES ☐ NO

If "yes", complete the form using the code numbers provided.

**ENTER CODES****CONTAINER****MIXTURE****INVENTORY****UNIT**

FOR  
OFFICIAL  
USE  
ONLY

① GROUP NO.	② ENVIRONMENTAL HAZARDOUS SUBSTANCE NAME	③ C.A.S. NO.	④	⑤	⑥	⑦	
1. 07	TOLUENE	108-88-3	50	30	13	G	...
2. 07	TOLUENE	108-88-3	46	30	11	G	...
3. 07	TOLUENE	108-88-3	48	27	12	G	...
4. 07	TOLUENE	108-88-3	47	27	12	G	...
5. 07	XYLENE	1330-20-7	49	30	13	G	...
6. 07	XYLENE	1330-20-7	47	27	12	G	...
7. 09	URETHANE	51-79-6	47	29	13	P	...
8. 11	EPICHLOROHYDRIN	106-89-8	47	30	12	P	...
9. 12	DI-N-BUTYL PHTHALATE	84-74-2	47	30	12	P	...
10. 19	CHROMIUM AND COMPOUNDS	7440-47-3	42	29	13	P	...
11. 19	LEAD AND COMPOUNDS	7439-92-1	42	29	13	P	...
12. 19	LEAD AND COMPOUNDS	7439-92-1	47	27	12	P	...
13. 19	MERCURY AND COMPOUNDS	7439-97-6	47	27	12	P	...
14.							...

**(B)** ☐ Check here if the information is continued on the reverse side.

☐ Check here if an "R&D" exemption is claimed. (See Instructions)

**(C) CERTIFICATION OF COMPANY OFFICIAL**

I, hereby, certify that all statements made by me are true, complete and correct to the best of my knowledge.

SIGNATURE Robert B. Sobers DATE 01-09-86 TITLE CORP. V.P.Name (Print) ROBERT B. SOBERSPhone Number 201 943- 4986

Return original to:

NJDEP SURVEY

CN 405

Trenton, NJ 08625

**(D) NOTE: MAKE COPIES OF THIS FORM!** The Law requires that you send a copy to your County Health Department and provide your employees with access to the survey form.

☐ 1 ☐ 2 ☐ 3

REFERENCE NO. 7

**RECORD  
COMMUNICATION**

☒ PHONE CALL   ☐ DISC'   ON   ☐ FIELD TRIP   ☐ CONFERENCE  
☐ OTHER (SPECIFY)

(Record of item checked above)

TO: RK Almqvist  
Gm of Eversel Inc.

FROM: Chris Sebastian  
PAB

DATE 4/12/83

TIME 10:00 am

SUBJECT Date of operation

**SUMMARY OF COMMUNICATION**

Inquired as to date operation began, at Eversel (previously Atlas Varnish & Paints) so that Part A could be input. Mr. Almqvist gave date as being "1936", so input as "360101"

**CONCLUSIONS, ACTION TAKEN OR REQUIRED**

**INFORMATION COPIES**

TO:

REFERENCE NO. 8

## GENERAL INFORMATION

Consolidated Periodic Program  
(Read the General Instructions before starting)

Everseal Mfg. Co.  
Irvington Inc.  
32-50 Buffington Avenue  
Irvington, New Jersey 07111

REF ID: A66111

## GENERAL INSTRUCTIONS

If I prepared a new and revised list, the Department would have no objection, certainly, to my doing so through it and using it as I wish.

23018

	X	
	X	
X		
	X	
	X	

	X	
	X	
	X	
	X	
(	X	

NAME OF EXHIBIT

EVERSEAL MFG. CO. IRVINGTON INC

## IV. FACILITY CONTACT:

2 MARK ALMQUIST GENERAL MANAGER

2	0	1	3	7	3	9	8	8	2
---	---	---	---	---	---	---	---	---	---

## V. FACILITY MAILING ADDRESS

32-50 Buffington Avenue

Irvington

N J 0 7 1 1 1

**VE FACILITY LOCATION**

32-50 Buffington Avenue

SEX

C. CITY OR TOWN  
Irvington

U.S. STATE & ZIP CODE	
NJ	07111

F. COUNTY CODE (If known)			
------------------------------	--	--	--

(specify)  
MANUFACTURER OF PAINTS

(specify)

(specify)

(specify)

VERSEAL MFG. CO. IRVINGTON INC.

(specify)

201 373 9882

- 50 Buffington Avenue

IRVINGTON

NJ 07111

(specify)

(specify)

MANUFACTURE OF PAINT FOR GOVERNMENT SPECIFICATION

DECLARATION (continued)

I certify under penalty of law that I am an authorized representative of the manufacturer of the product described in this statement and that I am duly qualified to provide the information requested in this statement. I believe that the information furnished herein is true and complete, and I am aware that there are penalties for providing false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)

J.D. Miller

President

B. SIGNATURE



C. DATE SIGNED

5/17/81

STATEMENTS FOR OFFICIAL USE ONLY



## HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

RCRA

5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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## FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)

COMMENTS

## II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

## A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☒ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

FOR NEW FACILITIES PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

## B. REVISED APPLICATION (place an "X" below and complete Item I above)

☐ 1. FACILITY HAS INTERIM STATUS

☒ 2. FACILITY HAS A RCRA PERMIT

## III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
<b>Storage:</b>		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
<b>Disposal:</b>		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

**Treatment:**

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

5	DUP										11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY						
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT	2. UNIT OF MEASURE (enter code)							
X-1	S 0 2	600	G		5										
X-2	T 0 3	20	E		6										
1	S 0 1	4500	G		7										
2	S 0 2	2000	G		8										
3	T 0 1	1000	U		9										
					10										

### DESCRIPTION OF HAZARDOUS WASTES

**EPA HAZARDOUS WASTE NUMBER** — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

**ESTIMATED ANNUAL QUANTITY** — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

**UNIT OF MEASURE** — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

**ENGLISH UNIT OF MEASURE**      **CODE**  
 POUNDS.....P  
 TONS.....T

**METRIC UNIT OF MEASURE**      **CODE**  
 KILOGRAMS.....K  
 METRIC TONS.....M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

### PROCESSES

**PROCESS CODES:**  
 For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.  
 For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.  
 Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. **PROCESS DESCRIPTION:** If a code is not listed for a process that will be used, describe the process in the space provided on the form.

**HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER** — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.  
 In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.  
 Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

**EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below)** — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
			1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1 K 0 5 4	900	P	T 0 3 D 8 0	
X-2 D 0 0 2	400	P	T 0 3 D 8 0	
X-3 D 0 0 1	100	P	T 0 3 D 8 0	
X-4 D 0 0 2				include 1 with above

**FOR OFFICIAL USE ONLY**

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)		13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible]

CONTINUE ON REVERSE

EPA I.D. NO. (enter from page 1)

T/A C  
6

**FACILITY DRAWING**

Existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

**VI. PHOTOGRAPHS**

Existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

**VII. FACILITY GEOGRAPHIC LOCATION**

LATITUDE (degrees, minutes, & seconds)

N S

40 45 07 8

LONGITUDE (degrees, minutes, & seconds)

E W

74 14 45

**VIII. FACILITY OWNER**

A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

Everseal Mfg. Co. Irvington Inc.

2. PHONE NO. (area code & no.)

201-373-9882

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

**OWNER CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME OF FACILITY

B. SIGNATURE

C. DATE SIGNED

Offerman & J. Miller

**X. OPERATOR CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME OF FACILITY

B. SIGNATURE

C. DATE SIGNED

Ronald Almquist

5/27/81

REFERENCE NO. 9

IRVINGTON INC.  
32-50 Buffington Ave.  
Irvington, New Jersey 07111

NJ D002152460  
amend  
card 1  
done 4/13/81 al

Certified #990109 Return Receipt

February 24, 1981

*put name change  
the old number  
per our discussion with adan*

United States Environmental Protection Agency  
Region II  
26 Federal Plaza  
New York, New York 10278  
Richard A. Baker, Chief  
Permits Administration Branch  
Planning and Management Division

Dear Mr. Baker:

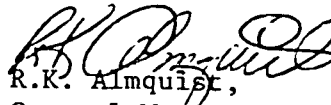
This letter is a follow-up of my phone conversation with your office requesting the transfer of Federal Hazardous Waste Permit from Atlas Paint & Varnish Co. to Everseal Mfg. Co. Irvington Inc.

We purchased the operations of Atlas Paint & Varnish Co. on Thursday February 12, 1981 and will continue to manufacture basically the same product line as Atlas Paint & Varnish Co. Therefore, the information contained in Atlas Paint & Varnish Co. application will apply to our new operation Everseal Mfg. Co. Irvington Inc.

Please have your office send us the proper forms for the transfer of the Interim Federal Hazardous Waste Permit. The current EPA I.D. Number for this facility is NJ D002152460 and was issued to Atlas Paint and Varnish Company.

Thank you for your immediate co-operation in this matter.

Yours truly,

  
R.K. Almquist,  
General Manager

RKA/jt

CC: J. Miller

FEB 26 1981  
NEW YORK, N.Y. 10001

REFERENCE NO. 10



**ACKNOWLEDGEMENT OF NOTIFICATION  
OF HAZARDOUS WASTE ACTIVITY  
(VERIFICATION)**

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

7JD002152460

INSTALLATION ADDRESS

ATLAS PAINT & VARNISH CO INC  
32-50 BUFFINGTON AVE  
IRVINGTON NJ 07111  
  
32-50 BUFFINGTON  
IRVINGTON NJ 07111

REFERENCE NO. 11

ENVIRONMENTAL PROTECTION AGENCY  
GENERAL INFORMATION

I. EPA I.D. NUMBER

NJ D 002152460

## GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in areas below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

## II. POLLUTANT CHARACTERISTICS

**INSTRUCTIONS:** Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any question, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK "X"			SPECIFIC QUESTIONS	MARK "X"		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowest stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production? Do you or will you inject fluids for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

## III. NAME OF FACILITY

SKIP ATLAS PAINT & VARNISH COMPANY

## IV. FACILITY CONTACT

A. NAME &amp; TITLE (last, first, &amp; title)

R. K. Almqvist Director of Manufacturing

B. PHONE (area code &amp; no.)

201 373 1300

## V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

32-50 BUFFINGTON AVENUE

B. CITY OR TOWN

IRVINGTON

C. STATE

NJ

D. ZIP CODE

07111

## VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

32-50 BUFFINGTON AVENUE

B. COUNTY NAME

ESSEX

C. CITY OR TOWN

IRVINGTON

D. STATE

NJ

E. ZIP CODE

07111

F. COUNTY CODE (if known)

<b>A. FIRST</b> (specify) <b>MANUFACTURER OF PAINTS</b>	<b>B. SECOND</b> (specify)
<b>C. THIRD</b> (specify)	<b>D. FOURTH</b> (specify)

**VIII. OPERATOR INFORMATION**

<b>A. NAME</b> <b>ATLAS PAINT &amp; VARNISH COMPANY</b>		<b>B. Is the name listed in Item VIII-A also the owner?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
<b>C. STATUS OF OPERATOR</b> (Enter the appropriate letter into the answer box; if "Other", specify.) FEDERAL STATE PRIVATE M = PUBLIC (other than federal or state) O = OTHER (specify) <b>P</b> (specify)		<b>D. PHONE</b> (area code & no.) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">C</td> <td style="width:10%;">A</td> <td style="width:10%;">201</td> <td style="width:10%;">373</td> <td style="width:10%;">8300</td> </tr> </table>	C	A	201	373	8300
C	A	201	373	8300			
<b>E. STREET OR P.O. BOX</b> <b>2-50 BUFFINGTON AVENUE</b>		<b>IX. INDIAN LAND</b> Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
<b>F. CITY OR TOWN</b> <b>IRVINGTON</b>							
<b>G. STATE</b> <b>NJ</b>		<b>H. ZIP CODE</b> <b>07111</b>					

**EXISTING ENVIRONMENTAL PERMITS**

<b>A. NPDES (Discharges to Surface Water)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">C</td> <td style="width:10%;">T</td> <td style="width:10%;">I</td> </tr> <tr> <td>9</td> <td>P</td> <td></td> </tr> </table>	C	T	I	9	P		<b>D. PSD (Air Emissions from Proposed Sources)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">C</td> <td style="width:10%;">T</td> <td style="width:10%;">I</td> </tr> <tr> <td>9</td> <td>P</td> <td></td> </tr> </table>	C	T	I	9	P	
C	T	I											
9	P												
C	T	I											
9	P												
<b>B. UIC (Underground Injection of Fluids)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">C</td> <td style="width:10%;">T</td> <td style="width:10%;">I</td> </tr> <tr> <td>9</td> <td></td> <td></td> </tr> </table>	C	T	I	9			<b>E. OTHER (specify)</b> (specify)						
C	T	I											
9													
<b>C. RCRA (Hazardous Wastes)</b> <b>N.J. D002 152460</b>	<b>E. OTHER (specify)</b> (specify)												

As part of this application, a topographic map of the area extending one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

**TE. NATURE OF BUSINESS (provide a brief description)**

<b>MANUFACTURE OF PAINT FOR GOVERNMENT SPECIFICATION</b>
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**12. CERTIFICATION (see instructions)**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

<b>A. NAME &amp; OFFICIAL TITLE</b> (type or print) <b>Dennis R. Tepperman</b> <b>resident</b>	<b>B. SIGNATURE</b> 	<b>C. DATE SIGNED</b> 
--	-------------------------	---------------------------

**COMMENTS FOR OFFICIAL USE ONLY**

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## IV. DESCRIPTION OF HAZARDOUS WASTES

- A. EPA HAZARDOUS WASTE NUMBER** — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY** — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE** — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE      CODE  
POUNDS . . . . . P  
TONS . . . . . T

METRIC UNIT OF MEASURE      CODE  
KILOGRAMS . . . . . K  
METRIC TONS . . . . . M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

## D. PROCESSES

## 1. PROCESS CODES:

**For listed hazardous waste:** For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

**For non-listed hazardous waste:** For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

**Note:** Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

## 2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

**NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER** — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

**EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below)** — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO. J Z	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

A.I.D. NUMBER (enter from page 1)

FOR OFFICIAL USE ONLY

NID002152860

DUP

DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

W Z O J Z	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEAS- URE (enter code)	D. PROCESSES															
				1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))							
1	K078	95,000	P	S01															
2	K079	85,000	P	S02															
3	K081	9,000	P	T01															
4	K082	150	P	S01															
5																			
6																			
7																			
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22																			
23																			
24																			
25																			
26																			

EPA I.D. NO. (enter from page 1)

F N J D 0 0 2 1 5 2 4 6 0 6

**FACILITY DRAWING**

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

**VI. PHOTOGRAPHS**

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

**VII. FACILITY GEOGRAPHIC LOCATION**

LATITUDE (degrees, minutes, & seconds)

N S 40 45 07 8

LONGITUDE (degrees, minutes, & seconds)

E W 74 14 45

**VIII. FACILITY OWNER**

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

**OWNER CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

Bunny Feldman

**OPERATOR CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

Dennis R. Tepperman

REFERENCE NO. 12



WMTD 202152460 21

## IX. DESCRIPTION OF HAZARDOUS WASTES (continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1 F005 23 - 26	2	3	4	5	6
7	8	9	10	11	12
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13 K078 23 - 26	14 K081 23 - 26	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31 4220 23 - 26	32 4239 23 - 26	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

☒ 1. IGNITABLE  
(D001)☐ 2. CORROSIVE  
(D002)☐ 3. REACTIVE  
(D003)☒ 4. TOXIC  
(D004)

## X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE

R.K. Almqvist

NAME &amp; OFFICIAL TITLE (type or print)

R.K. ALMQUIST President

DATE SIGNED

8/12/80

ap

REFERENCE NO. 13

PRELIMINARY ASSESSMENT  
OFF SITE RECONNAISSANCE  
INFORMATION REPORTING FORM

Date: 4/27/89

Site Name: Everseal Manufacturing Co. TDD: 02-8904-31-W1

Site Address: 32-50 Buffington Ave.  
Street, Box, etc.

Irvington  
Town

Essex  
County

New Jersey  
State

NUS Personnel:	Name	Discipline
	<u>Gerald Hannay</u>	<u>Biologist</u>
	<u>Jess Tecson</u>	<u>Environmental Scientist</u>
	<u></u>	<u></u>

Weather Conditions (clear, cloudy, rain, snow, etc.):

clear and sunny

Estimated wind direction and wind speed: from the east ~ 5 mph

Estimated temperature: 68°F

Signature: Gerald J. Hannay Date: 4/27/89

Countersigned: Jon Tison Date: 4/27/89

PRELIMINARY ASSESSMENT  
INFORMATION REPORTING FORM

Date: 4/27/89

Site Name: Everseal Manufacturing Co. TDD: 02-8904-31

Site Sketch:

Indicate relative landmark locations (streets, buildings, streams, etc.).  
Provide locations from which photos are taken.

See Attached Map

Signature: Gerald J. Hannay

Date: 4/27/89

Countersigned: Jim Tison

Date: 4/27/89

PRELIMINARY ASSESSMENT  
INFORMATION REPORTING FORM

Date: 4/27/89

Site Name: Eversal Manufacturing Co. TDD: 02-8904-31

Notes (Periodically indicate time of entries in military time):

17:50 - Arrived on site. Site is in an industrial and residential area. There are no signs on the facility announcing its identity. There is a storm drain on the corner of S. 20th Street and Buffington St East of the site. There are two storm drains across from each other on the northwest corner of the facility, on Buffington St. The site is flat.

18:55 - To the northwest of the building is a fenced in area, paved, with no visible waste units. There is a residential house one building down from the facility.

18:59 - Drive around to Loreto St. There are storm drains on the northwestern side of + Loreto St. Fenced in area on north west side of the building on this side is half paved and half dirt. There is an open gate, which is broken, allowing access to the fenced in area.

Signature: Gerald J. Hanney

Date: 4/27/89

Countersignature: Jim Terman

Date: 4/27/89

PRELIMINARY ASSESSMENT  
INFORMATION REPORTING FORM

Date: 4/27/89

Site Name: Everseal Manufacturing Co. TDD: 02-8904-31

Notes (Cont'd):

There are no stains or waste units visible.  
There is a <sup>small</sup> oil tank next to the 1-story  
building and a smokestack on the other side  
of the street are industrial building.

14:10 - There are no drainage ditches near  
the railroad tracks visible

14:17 - left the site.

Attach additional sheets if necessary. Provide site name, TDD number, signature, and countersignature on each.

Signature: Gerald J. Hannay Date: 4/27/89

Countersignature: Gen Tecum Date: 4/27/89

PRELIMINARY ASSESSMENT  
INFORMATION REPORTING FORM

Date: 4/27/89

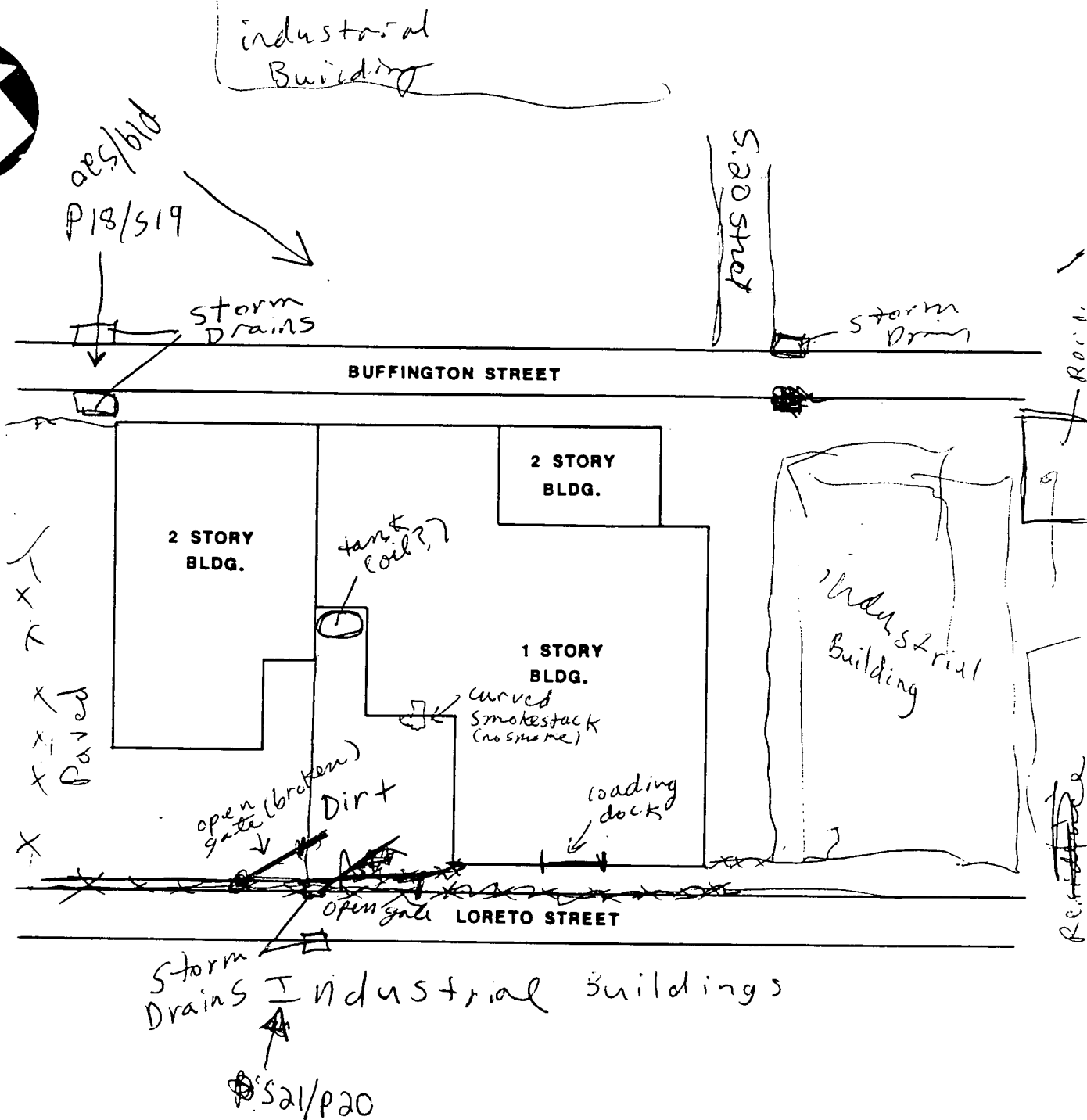
Site Name: Eversal Manufacturing Co. TDD: 02-8904-31

Photolog:

Frame/Photo Number	Date	Time	Photographer	Description
<u>S19/P18</u>	<u>4/27</u> <del>13-55</del>	<u>13:55</u>	<u>Gerald Hannay</u>	<u>Storm Drain</u>
<u>S20/P19</u>	<u>4/27</u>	<u>14:00</u>	<u>Gerald Hannay</u>	<u>House, showing location as</u> <u>compared to the facility</u>
<u>S21/P20</u>	<u>4/27</u>	<u>14:08</u>	<u>Gerald Hannay</u>	<u>Broken fence from</u> <u>Loreto St.</u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

Attach additional sheets if necessary. Provide site name, TDD number, signature, and countersignature on each.

Signature: Gerald J. Hannay Date: 4/27/89  
Countersignature: Gen. Jecur Date: 4/27/89



( SCALE UNKNOWN )



**NUS**  
CORPORATION

REFERENCE NO. 14

STATE OF NEW JERSEY  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

JOSEPH E. McLEAN, Commissioner

DIVISION OF PLANNING AND DEVELOPMENT



LEGEND

- |                                 |                     |
|---------------------------------|---------------------|
| RAILROAD STATIONS               | † CEMETERY          |
| DRAW BRIDGE                     | ○ PITS              |
| COUNTY BOUNDARIES               | △ Geodetic Stations |
| TOWNSHIP AND BOROUGH BOUNDARIES | ☐ WOODED SWAMP      |
| STATE HIGHWAYS                  | ☐ CRANBERRY BOG     |
| U. S. HIGHWAYS                  | ☐ TIDE MARSH        |
| OTHER PUBLIC ROADS AND STREETS  | ☐ FRESH MARSH       |
| PRIVATE OR PRIMITIVE ROADS      | ☐ PARKS             |
| LICENSED AIRPORTS               | — CANAL             |
| ACTIVE MINES                    | — DAMS              |
| INACTIVE MINES                  |                     |
| QUARRIES                        |                     |

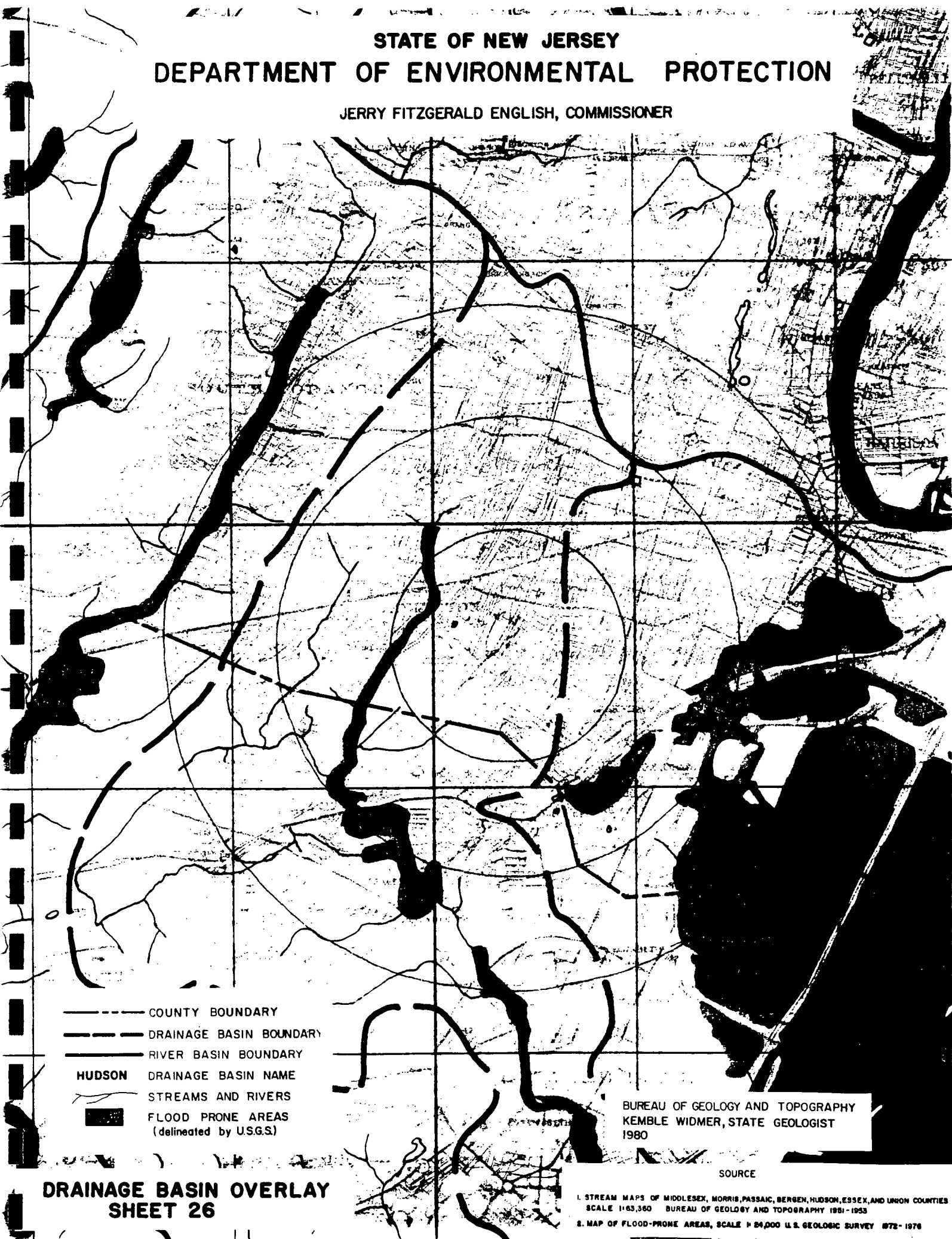
SHEET 26  
TOPOGRAPHIC SERIES

Scale: 1 Mile to an Inch.  
Miles

REFERENCE NO. 15

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JERRY FITZGERALD ENGLISH, COMMISSIONER



REFERENCE NO. 16

# STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

## LEGEND

### URBAN AND BUILT-UP LAND

- 11 RESIDENTIAL
- 12 COMMERCIAL & SERVICES
- 13 INDUSTRIAL
- 14 TRANSPORTATION, COMMUNICATION & UTILITIES
- 15 INDUSTRIAL & COMMERCIAL COMPLEXES
- 16 MIXED URBAN & BUILT-UP LAND
- 17 OTHER URBAN OR BUILT-UP LAND

### AGRICULTURAL LAND

- 18 CROPLAND & PASTURE
- 19 ORCHARDS & HORTICULTURAL AREAS

### FOREST LAND

- 20 DECIDUOUS
- 21 EVERGREEN
- 22 MIXED

### WATER

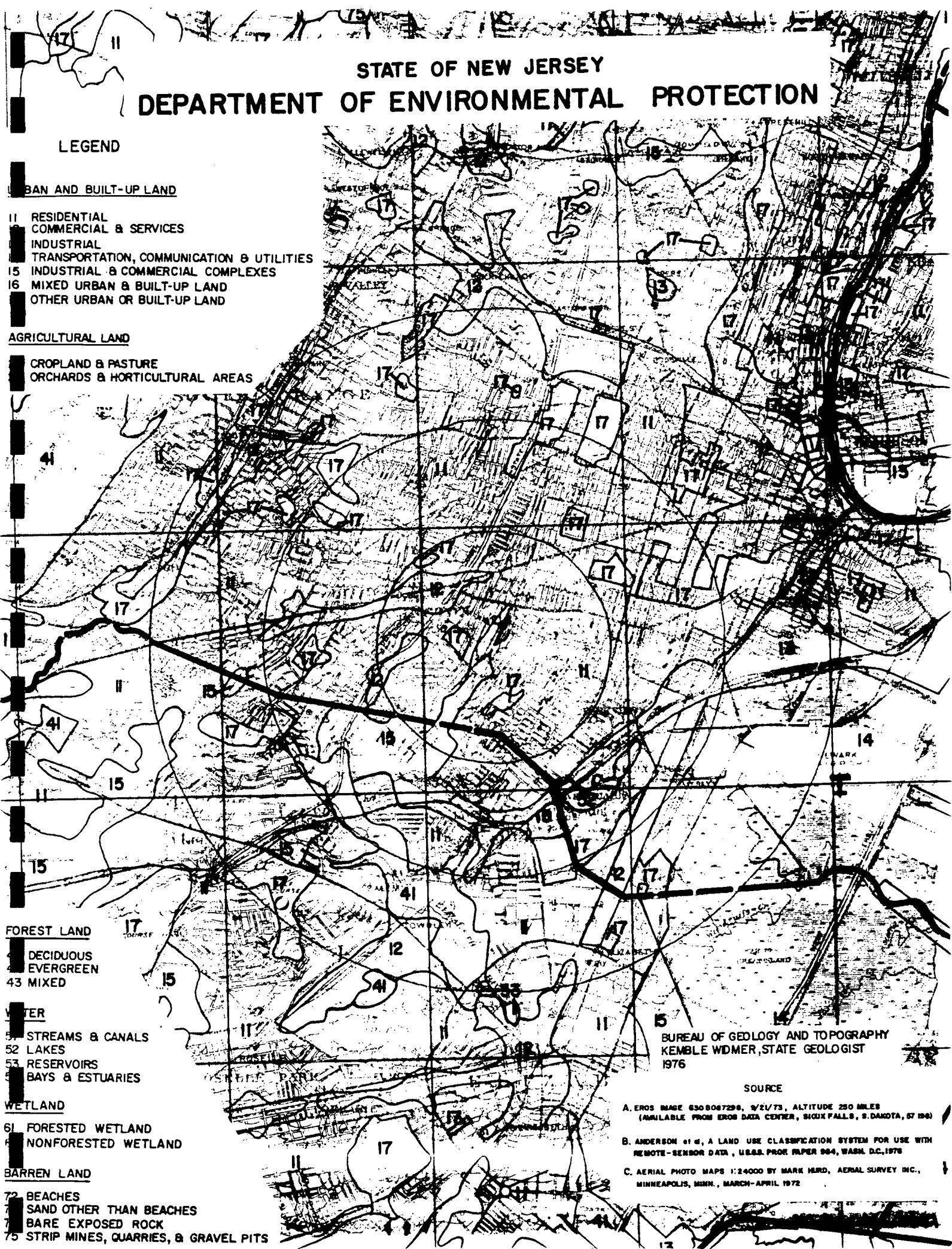
- 23 STREAMS & CANALS
- 24 LAKES
- 25 RESERVOIRS
- 26 BAYS & ESTUARIES

### WETLAND

- 27 FORESTED WETLAND
- 28 NONFORESTED WETLAND

### BARREN LAND

- 29 BEACHES
- 30 SAND OTHER THAN BEACHES
- 31 BARE EXPOSED ROCK
- 32 STRIP MINES, QUARRIES, & GRAVEL PITS



BUREAU OF GEOLOGY AND TOPOGRAPHY  
KEMBLE WIDMER, STATE GEOLOGIST  
1976

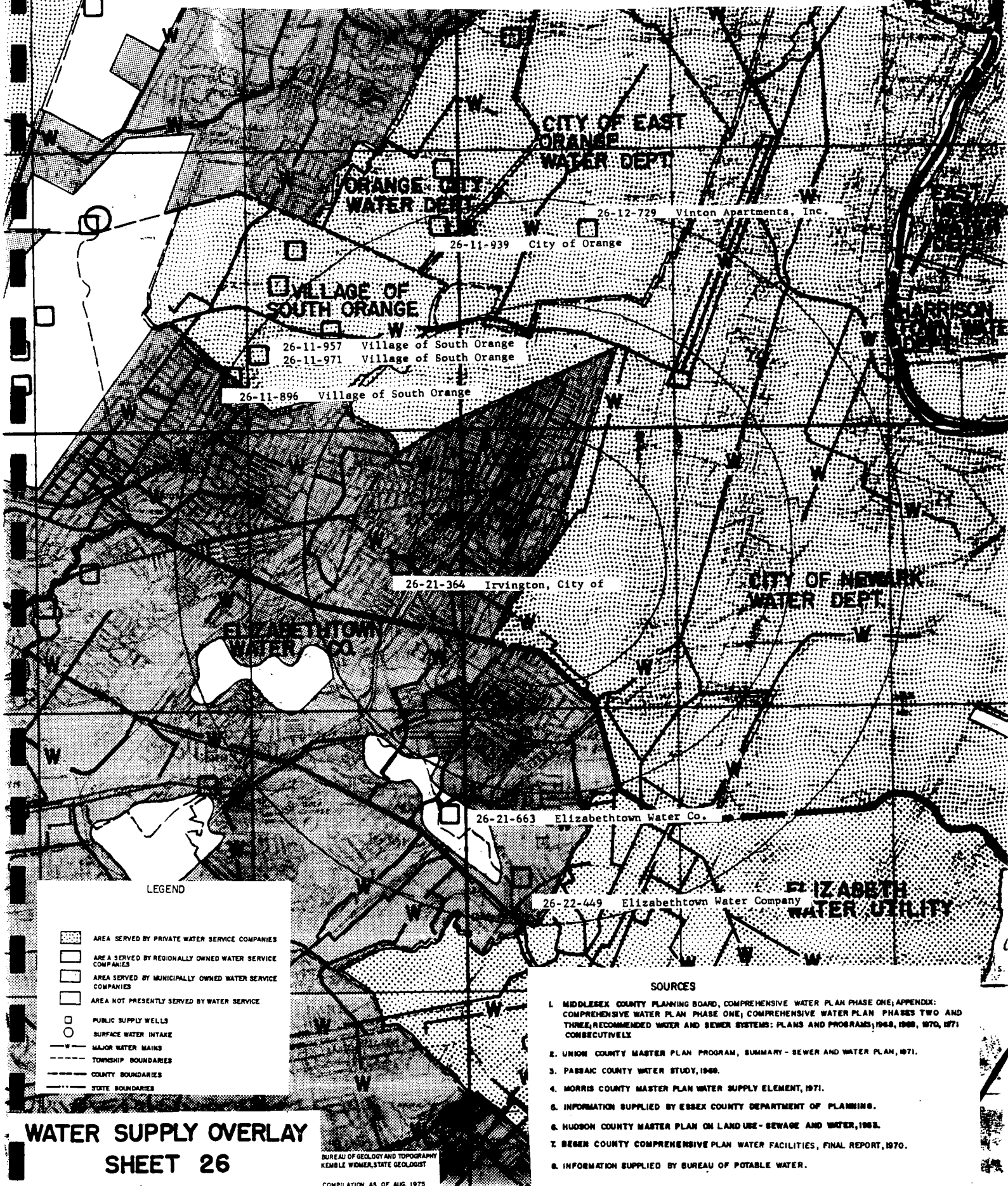
### SOURCE

- A. EROS IMAGE 6308047298, 9/21/73, ALTITUDE 250 MILES  
(AVAILABLE FROM EROS DATA CENTER, SIOUX FALLS, S. DAKOTA, 57196)
- B. ANDERSON et al., A LAND USE CLASSIFICATION SYSTEM FOR USE WITH  
REMOTE-SENSOR DATA, U.S.G.S. PROF. PAPER 964, WASH. D.C., 1975
- C. AERIAL PHOTO MAPS 1:24000 BY MARK HIRD, AERIAL SURVEY INC.,  
MINNEAPOLIS, MINN., MARCH-APRIL 1972

REFERENCE NO. 17

# STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

DAVID J. BARDIN, COMMISSIONER



REFERENCE NO. 18

GROUND-WATER RESOURCES OF  
ESSEX COUNTY, NEW JERSEY

By  
WILLIAM D. NICHOLS  
Hydrologist, U. S. Geological Survey

SPECIAL REPORT NO. 28

1 9 6 8

Prepared by the U. S. Geological Survey  
in Cooperation with the  
State of New Jersey

1900 .....	359,053
1910 .....	512,886
1920 .....	652,089
1930 .....	833,513
1940 .....	837,340
1950 .....	905,949
1960 .....	923,545

Nearly 90 percent of the county's population is located in the 71.5 square miles (55.6 percent of total area) east of the Watchung Mountains.

The economy of Essex County is primarily industrial. The principal manufactured products include food products, electrical goods and machinery, chemicals, machinery (excluding electrical machinery), fabricated metal products, and apparel. In 1960, only about 5 percent of the total land area of the county was utilized as farmland.

## INTRODUCTION

The Brunswick Formation and Watchung Basalt of the Newark Group of Late Triassic age underlie all of Essex County. The Brunswick Formation is dominantly shale and sandstone, but also includes minor amounts of conglomerate. The Watchung Basalt consists of three extensive sequences of lava flows intercalated with the shale and sandstone of the Brunswick Formation. The generalized bedrock geologic map (fig. 2) shows the areal extent of the rocks of Triassic age underlying Essex County. Overlying the rocks of the Newark Group are unconsolidated clay, sand, and gravel deposited during the Pleistocene and Recent Epochs. Pleistocene deposits are the most widespread and are found throughout the county. Deposits of Recent age are confined to the present-day stream valleys. Figure 3 shows the general distribution of the unconsolidated Pleistocene deposits.

Parts of Fairfield and Millburn Townships and Newark are underlain by valleys cut (fig. 3) in bedrock by streams that drained the area before the last glaciation. The valleys were subsequently filled in and buried by glacial debris and have little present-day surface expression.

## DISTRIBUTION AND LITHOLOGY OF ROCK UNITS

### Consolidated Rocks

Rocks of the Brunswick Formation, the uppermost unit of the Newark Group, underlie most of Essex County. The formation consists dominantly of interbedded brown, reddish-brown, and gray shale, sandy shale, sandstone, and some conglomerate. Three sheets of gray to black basalt are intercalated with sandstone and shale beds of the Brunswick Formation. The total thickness of the Brunswick Formation is not known, but probably exceeds 6,000 feet (Kümmel 1940, p. 102).

In the southern part of the county east of the Watchung Mountains, the Brunswick Formation is predominantly a soft red shale. These rocks become coarser grained toward the north. In the northern part of the county the rocks are mostly sandstone and some interbedded shale; conglomerate is found in the extreme northern part of the county. This change from soft, easily weathered, shale to more resistant sandstone is reflected in the change of topography from the rather flat low-lying plain with few hills in southern Newark to hills of low relief in the northern part of the county.

Between First and Second Watchung Mountains, the Brunswick Formation is dominantly sandstone. West of Second Watchung Mountain, the formation is covered with thick deposits of unconsolidated sediments

of glacial origin and few outcrops can be found. As indicated from records of wells drilled in this area, the rocks are mainly shale and some interbedded sandstone.

Two prominent ridges, First and Second Watchung Mountains, extend from northeast to southwest across the county (fig. 2). These are the two lowest sequences of basalt flows of the Watchung Basalt. The third, uppermost, sequence of flows is represented by Ricker Hill in Livingston Township. These basalt sheets were formed by lava which was extruded at three different times during the accumulation of the sedimentary rocks of the formation. Each of these sheets is made up of several lava flows. Scoriaceous zones occur at the top of many of the individual flows. In some places, thin beds of shale occur between successive flows. The lower part of the Watchung Basalt, which comprises First Watchung Mountain, is from 600 to 650 feet thick; the Watchung Basalt in Second Watchung Mountain varies from 750 to 900 feet in thickness; the uppermost Watchung Basalt ranges from 225 to 350 feet in thickness (Darton and others, 1908, p. 10).

First and Second Watchung Mountains are parallel, and in places have double-crested ridges reflecting the presence of interbedded sedimentary rocks; the ridges generally rise between 300 and 400 feet above the adjacent country. The trend of the ridges reflect the general strike of the sedimentary rocks of the Brunswick Formation. The beds dip about 10 degrees toward the northwest.

### Pleistocene and Recent Deposits

Unconsolidated sediments deposited by glaciers or by glacial meltwater during the Pleistocene Epoch cover most areas of Essex County. These deposits can be divided roughly into several types. Unstratified drift called till or ground moraine is a heterogeneous mixture of clay, silt, sand, gravel, cobbles, and boulders which was deposited by the ice. Unstratified drift that has accumulated in a ridgelike deposit along the margin of a glacier is called an end moraine. Stratified drift is deposited by glacial meltwater in streams (glaciolluvial deposits) and lakes (glaciolacustrine deposits). Glaciolluvial deposits are generally stratified sand, and sand and gravel, and glaciolacustrine deposits are usually bedded or laminated silt and clay. Figure 3 is a map showing the generalized distribution of the Pleistocene deposits in Essex County.

Streams and rivers draining the Essex County area before the last glaciation cut deep valleys into the Triassic rocks (fig. 3). These valleys were subsequently buried by glacial debris, and the thickness of the glacial deposits is largely controlled by the underlying bedrock topography. The

altitude of the floor of the buried bedrock valley under the Newark area is as much as 280 feet below sea level (fig. 4), and the glacial drift is as much as 300 feet thick. In the southwestern corner of Essex County in Millburn Township, the altitude of the valley floor is 17 feet above sea level and the drift averages 150 feet in thickness. In the northwestern part of the county in Fairfield Township, the floor of the valley is as much as 35 feet below sea level and the drift has a maximum thickness of about 200 feet. In the areas between the valleys, where the bedrock surface is high, the drift ranges from 0 to 70 feet thick.

East of the Watchung Mountains and west of the buried valley under the Newark area, the glacial deposits consist dominantly of till. The valley under the Newark area, however, is filled largely with stratified drift and interbedded lenses of till. In the central and southern part of Newark the main valley (fig. 4) is filled with as much as 200 feet of lacustrine clay and sandy clay, which is overlain by 50 to 100 feet of other stratified or unstratified glacial drift. In the northern part of Newark, where the valley (fig. 4) parallels the Passaic River, the valley contains several deposits of sand and gravel interbedded with clay and till. The sand and gravel ranges from 1 to 19 feet in thickness and is encountered mostly at depths of less than 50 feet and depths of more than 220 feet below land surface.

The present-day valley between First and Second Watchung Mountains is underlain by approximately 100 feet of stratified drift in both Cedar Grove in the north and Millburn Township in the south. These deposits consist mostly of stratified sand and gravel. Their maximum thickness appears to occur under that part of the valley west of the Rahway and Peckman Rivers; east of the rivers, the bedrock surface is shallow (30 to 50 feet below the valley floor), and the unconsolidated deposits are thin. There are not enough data to define the thickness and character of the subsurface glacial deposits in the valley in Verona and most of West Orange.

West of Second Watchung Mountain, the stratigraphy of the glacial deposits is moderately complex, especially in the buried valleys. The drift in the main buried valley in Livingston and Millburn Townships (fig. 3) has a maximum thickness of about 170 feet and consists of interbedded sand, sand and gravel, clay and till. Thicknesses of sand and gravel outwash range from 20 to 80 feet. Farther north, in north-western Fairfield, the main buried valley (fig. 3) is filled with as much as 200 feet of drift consisting almost exclusively of 140 to 170 feet of laminated silt and clay underlain by 10 to 30 feet of till. Deposits of fine- to medium-grained sand ranging in thickness from 0 to 20 feet occur on the surface.

near the confluence with the main buried valley. Where the bedrock surface is high, between buried valleys, the glacial deposits consist dominantly of till. However, some stratified sand and gravel are found in the subsurface in eastern Roseland and Essex Fells which do not occur as valley-fill deposits.

Unconsolidated sediments of Recent age are confined to areas adjacent to present-day streams. These deposits consist of clay, silt, and fine sand with gravel. (Rogers and others, 1957, p. 7).

Ground water is derived from that part of precipitation that does not run off the surface of the land to streams or return to the atmosphere through evaporation and transpiration. Factors which determine the amount of water that infiltrates to the ground-water reservoir include (1) the porosity and permeability of the surficial material, (2) the slope of the land, (3) the amount and kind of natural and artificial cover, and (4) the intensity and amount of precipitation.

The permeability of a rock, or its ability to transmit water, depends on its porosity, that is, on the number and size of the interstices and on the extent to which the interstices are interconnected. The porosity of a rock, in turn, depends largely on: "the shape and arrangement of its constituent particles, the degree of assortment of its particles, the cementation and compacting to which it has been subjected since its deposition, the removal of mineral matter through solution by percolating waters, and the fracturing of the rock, resulting in joints and other openings" (Meinzer, 1923, p. 3). Porosity is expressed quantitatively as the ratio between the volume of void to the total volume of the rock, that is, as the percentage of the total volume of rock occupied by interstices.

On the basis of the type of openings in which ground water may occur, the geologic formations in Essex County may be divided into two groups: (1) consolidated rocks of Triassic age, and (2) unconsolidated sediments of Pleistocene age.

The primary pore spaces in consolidated rocks of the Brunswick Formation in Essex County are commonly so small that an insignificant quantity of water, if any, moves through them under the natural hydraulic gradients or those established by pumping. However, a joint and fracture system that has developed in the consolidated rocks provides secondary porosity and it is largely in and through these openings that the storage and movement of ground water takes place. In addition, vesicles and scoriaceous zones in the basalt add to the porosity in these rocks. Limited interconnected void space occurs in sandstone beds where cementing material is lacking. The volume of all of these openings constitute only a very small percentage of the total volume of the Brunswick Formation and, consequently, their capacity to store and transmit water is limited.

In unconsolidated sediments, water occurs in the pore spaces between the constituent grains. The capacity of unconsolidated sand and gravel deposits to store and transmit water is commonly much greater than that of the consolidated rocks. The reason for this is that the ratio of the

volume of void to the total volume of unconsolidated sediment is considerably greater than the ratio of the volume of fracture openings to the total volume of rock. The interstitial openings in clays and silts are so small, however, that they restrict the movement of water, even though the percentage of void space may be great.

## WATER-BEARING PROPERTIES OF MAJOR GEOLOGIC UNITS

### Consolidated Rocks

Rocks of the Brunswick Formation are the main source of ground water in Essex County. The shales and sandstones are generally capable of sustaining moderate to large yields to wells. The Watchung basalt commonly is capable of yielding only small to moderate quantities of water.

Water in these rocks occurs under both unconfined and confined conditions. Unconfined ground water occurs mainly in the upland areas where overlying unconsolidated deposits are thin or absent. Confined and semi-confined ground water conditions exist in lowland areas in Newark, parts of Fairfield, and along the Passaic River where clay beds in the unconsolidated Quaternary deposits mantle the underlying rocks. Wherever such confinement occurs, water beneath the relatively impermeable confining layers is commonly under artesian pressure. In many areas, such as parts of Fairfield and in the northern part of the county, water in wells tapping the confined aquifers will rise above the top of the aquifer and sometimes near or above land surface. In areas subjected to heavy pumping, such as the Newark area and western Millburn Township, the artesian pressure may be considerably reduced. Parts of the confined aquifer may even become dewatered as has happened in part of Newark, in which case the water remaining in the aquifer is no longer confined.

Confined ground water is also encountered in the shales and sandstone directly beneath the basalt flows in the western part of the county down-dip from the outcrop area. Confined or semiconfined ground-water conditions may occur in some areas because of differences in permeability within the rock layers resulting from variations in fracturing or weathering or a combination of both.

Some of the various systems of joints and fractures in the consolidated rocks intersect so that water can move vertically as well as horizontally and zones of high secondary porosity are then interconnected. Most wells tapping these rocks draw water from more than one water-bearing zone. However, these zones in the Brunswick Formation have not yet been accurately defined. They are certainly within the first 600 feet below land surface, and for most practical purposes are probably within the first 400 feet. The best producing wells in the Brunswick Formation in

Essex County are for the most part between 300 and 400 feet deep. Nevertheless, the lack of any precise known boundaries makes it difficult to determine the optimum depth to which a well should be drilled in any given location. Also it is impossible to predict the yield of a proposed well except in very general terms based on the average yield of other wells in the area.

Two pumping tests, both at the same locality, were conducted by the U. S. Geological Survey in January 1949 on wells tapping the Brunswick Formation in Essex County. The wells (owned by P. Ballantine and Sons, Newark), shown on figure 5, were selected to provide the best possible spread of observation wells in as many directions as possible. As the results of the tests have been reported by Herpers and Barksdale (1951, p. 28-31) they will be only summarized here.

In the first test, the centrally located well I-1 was pumped and water levels were observed in the seven surrounding wells indicated on figure 5. Well II-9 was pumped during the second test and the same wells were used to observe water levels. In both tests, observation wells lying along the strike of the Brunswick Formation with respect to the pumping well showed the greatest drawdown. When well I-1 was pumped, there was a prompt and distinct decline of the water level in observation well II-8. When well II-9 was pumped, the water level in observation well II-10 responded promptly and distinctly. No significant response was seen in observation wells aligned in directions other than along the strike during either test.

In these tests, as well as in several others conducted, it is invariably noted that aquifers in the sedimentary rocks of Triassic age of northern New Jersey are anisotropic, that is, they do not transmit water equally in all directions (Vecchioli, 1967). The greatest drawdowns are observed in those wells aligned along the strike of the sedimentary layers with respect to the pumping well. The least amount of drawdown is observed in observation wells that are located transverse to the strike. These observations have been interpreted to indicate that water moves more readily along joints and fractures which strike parallel to the strike of the bedding than along joints and fractures which strike in other directions. It is useful, when planning future well locations, to know the direction in which wells will interfere most with each other and with existing wells. In general, wells should be spaced far apart along the direction of strike (approximately N 30° E for most of Essex County) because it is in this direction that the greatest interference occurs. They may be placed closer together perpendicular to the strike since interference is less in that direction.

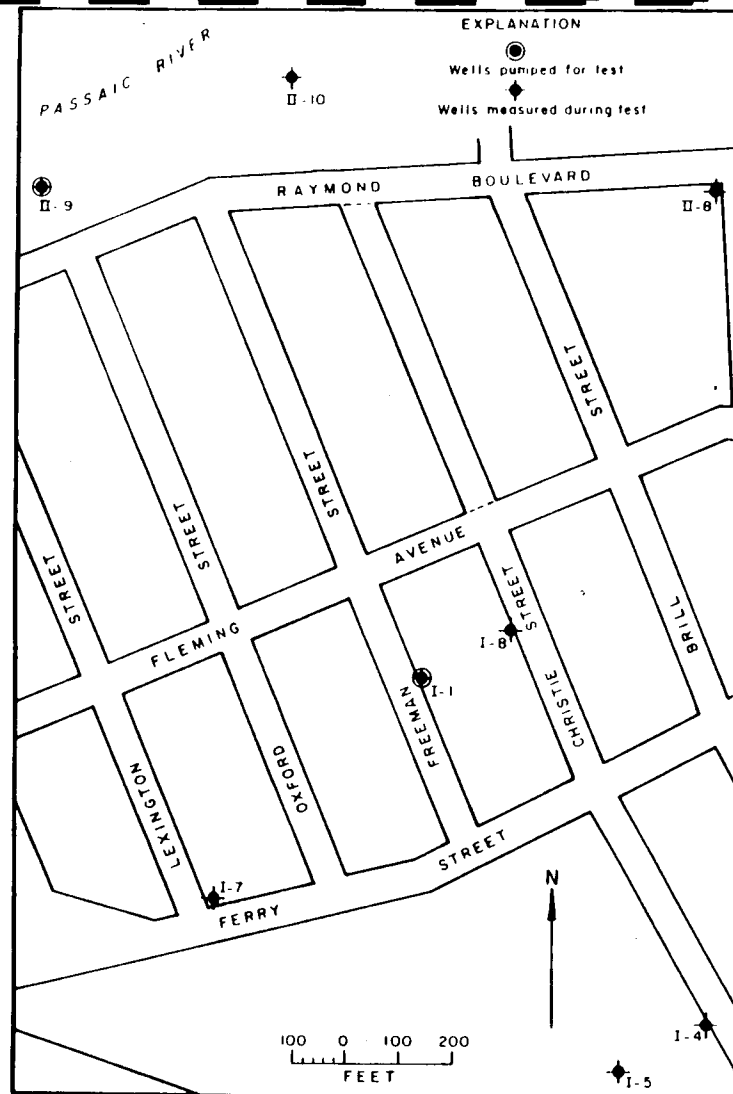


Figure 5.—Location of wells at plants of P. Ballantine and Sons, Newark, N. J., used during pumping tests in January 1949 (after Herpers and Barksdale, 1951, fig. 3, p. 30).

wells tapping the Brunswick Formation range from 35 to 820 gpm (gallons per minute) (Table 2) and average 364 gpm. The distribution of the yields is as follows:

<i>Yields</i>	<i>No. of wells</i>
0-150	4
151-300	12
301-500	12
> 500	7

Depths of the same wells in the Brunswick Formation range from 115 to 856 feet; the average depth is 381 feet. Specific capacities of the 35 wells range from 0.21 to 70.00 gpm per foot of drawdown and average 11.07 gpm per foot of drawdown.

Wells tapping the Watchung Basalt commonly produce small to moderate quantities of water. Yields of 26 wells range from 7 to 400 gpm (Table 2) and average 116 gpm. The distribution of the yields is as follows:

<i>Yields</i>	<i>No. of wells</i>
0-100	15
100-199	5
200-300	5
> 300	1

Specific capacities of wells in the basalt range from 0.05 to 5.66 gpm per foot of drawdown and average 1.74 gpm per foot of drawdown. Several moderate to high yielding public supply and industrial wells have been developed in the Essex Fells-West Caldwell-Fairfield area. These higher yields may be the result of increased fracturing of the basalt which has been slightly folded in this area.

Figures 6, 7, and 8 are specific capacity cumulative frequency distribution graphs for wells in the Brunswick Formation in Essex County. In figure 6, specific capacities are grouped on the basis of well depth. Wells drilled between 300 and 399 feet deep appear to have consistently higher specific capacities than wells of other depths (fig. 6). This relationship suggests that the best water-bearing zones in the Brunswick Formation will be

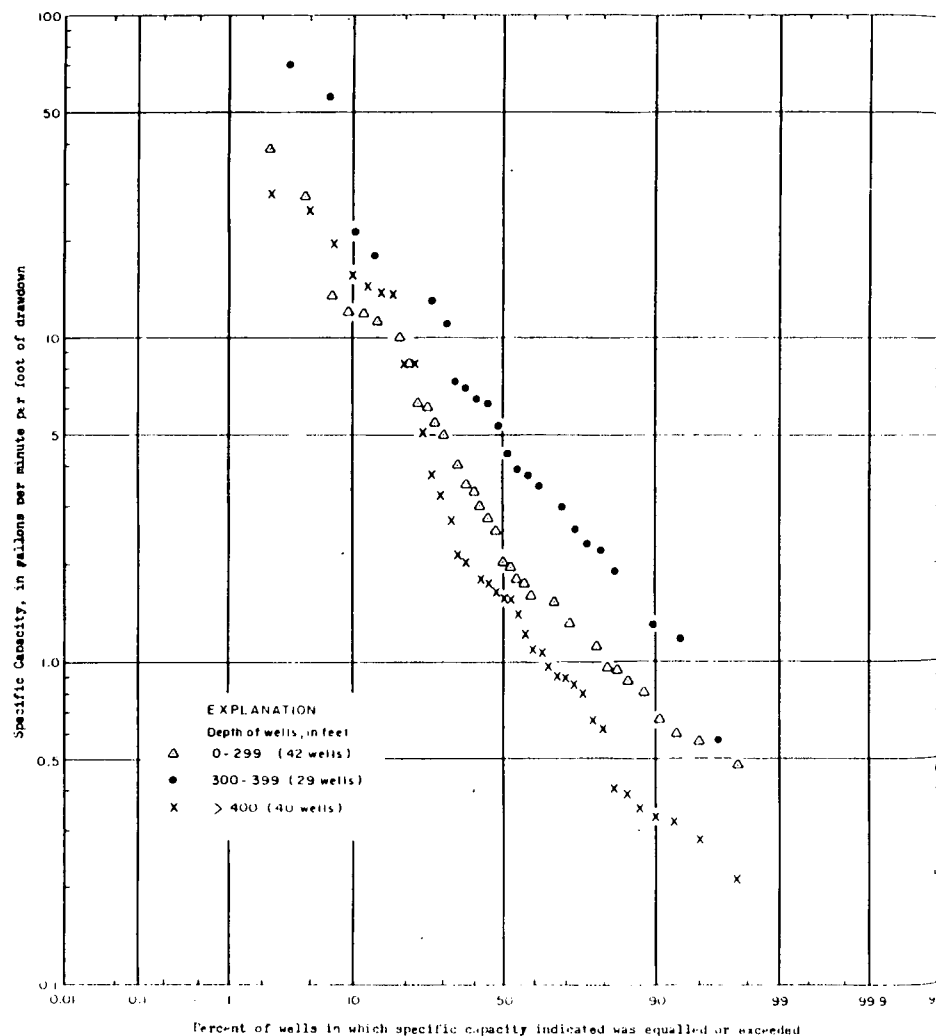


Figure 6.—Cumulative frequency distribution of specific capacities of wells penetrating the Brunswick Formation grouped according to depth.

encountered between depths of 300 and 400 feet and that significantly greater quantities of water generally will not be obtained by drilling below 400 feet. The specific capacities of wells grouped according to geographic area are shown in figure 7. These areas divide Essex County into three strips which are approximately parallel to the strike of the Brunswick Formation. The eastern strip is further divided into a northern part covering Belleville, Bloomfield, Glen Ridge, and Nutley, and a southern part covering East Orange, Irvington, and Newark. From this graph it readily can be seen that wells in Maplewood, Montclair, Orange, South Orange, and West Orange, have generally higher specific capacities than wells in other parts of Essex County. The wells in these communities are located in the area immediately east of First Watchung Mountain. In figure 8, specific capacities are related to well diameter. As should be expected, larger diameter wells have higher specific capacities.

#### Quality of Water

Except for hardness-forming constituents and local salt-water contamination, water from the Triassic rocks commonly does not contain objectional concentrations of any chemical constituents throughout most of the county (Table 3). The hardness of water ranges from 104 ppm (parts per million) to 273 ppm. In the Newark area, salt-water contamination has seriously impaired the quality of ground water and chloride concentration are as high as 1,900 ppm.

Ground water has high chloride concentrations in areas of relatively heavy pumpage in eastern Newark adjacent to Newark Bay and the Passaic River. By 1900, water levels in these areas, notably in the southeastern section, were considerably below sea level (fig. 9). The major pattern of ground-water development had changed slightly by 1960. More significant however is the extent to which water levels had been lowered below sea level and the increase in the size of the area affected by 1960 (fig. 10). Heavy ground-water withdrawals have lowered the general water level in these areas (fig. 10), reversing the natural gradient between the ground- and surface-water bodies, and have induced a flow of salt water from the river and bay into the underlying water-bearing formations. A water sample collected in 1879 from a well owned by the Celluloid Works, located in this part of Newark, contained only 6.2 ppm chloride. In 1948, water with 1,900 ppm chloride was collected from a well in the same area owned by P. Ballantine and Sons. A probable contributing factor in salt-water intrusion is the dredging of ship canals in Newark Bay and the Passaic River. In deepening these canals, semi-pervious Recent and Pleistocene sediments were removed which had acted as an imperfect barrier to the infiltration of salt water.

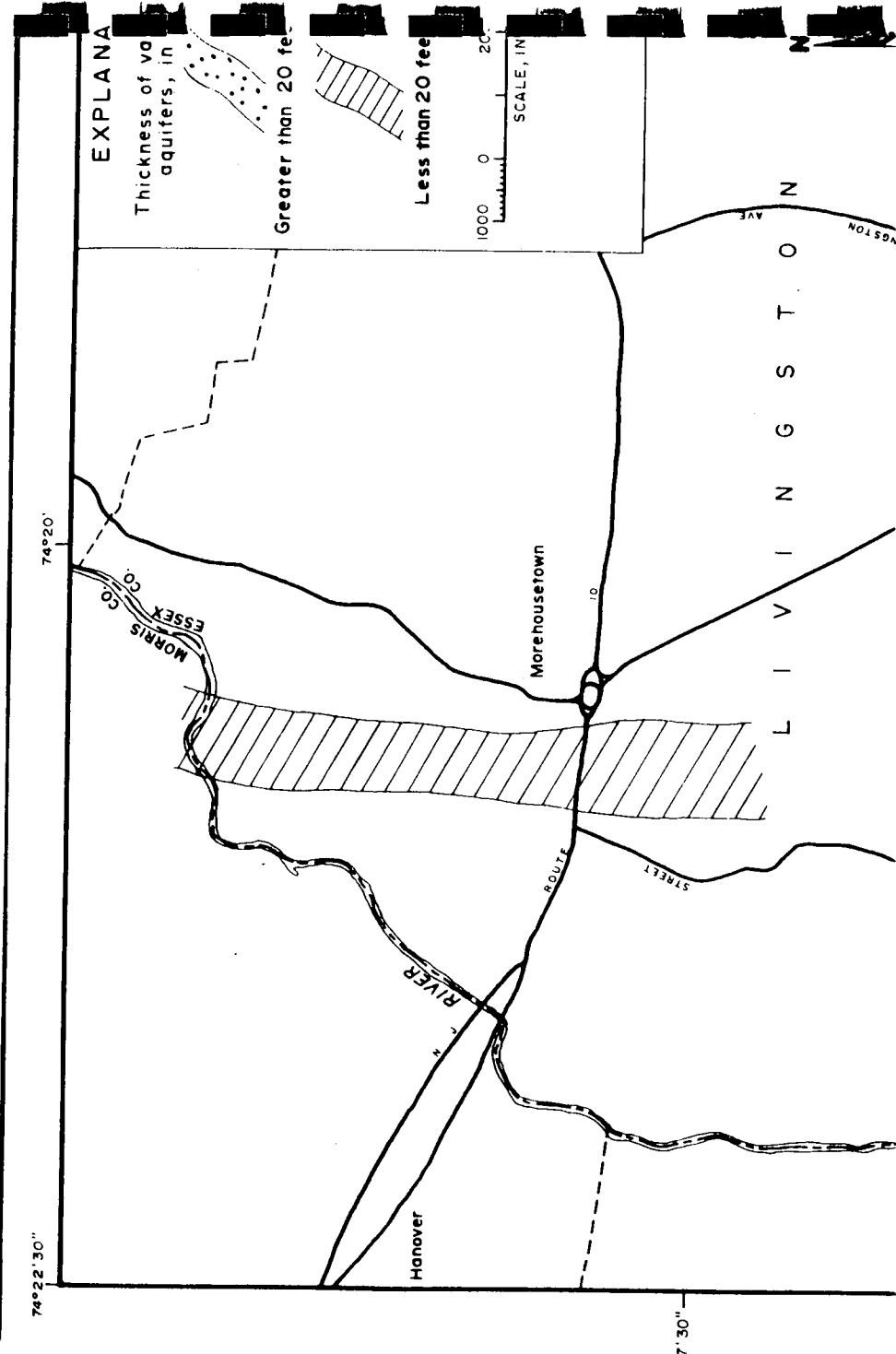
area has been investigated by Treipers and Barksdale (1951). Their study was based on analyses of water samples collected in 1942 by the city of Newark. More recent analyses suggest there has been additional encroachment of saline water since 1942 throughout the problem area. In 1942, water from the Wilbur Driver Company's well No. 2 along the Passaic River in northern Newark contained 72 ppm chloride. In 1961, water from this same well contained 330 ppm chloride. Water from a well drilled by Mutual Benefit Life Insurance Company, 520 Broad Street, in 1965 contained 1,145 ppm chloride. Samples collected from other wells in this area contained less than 500 ppm chloride in 1942.

### Pleistocene Deposits

Unconsolidated sediments of Pleistocene age mantle the bedrock throughout much of Essex County (fig. 3). They consist of clay, silt, sand, gravel, and boulders and can be divided into two general categories—stratified drift and unstratified drift. Only sand and gravel aquifers in stratified drift deposits contain sufficient quantities of water to warrant discussion of their water-bearing properties.

Water in the stratified drift occurs under both unconfined (water table) and confined (artesian) conditions. Unconfined ground water occurs where sand and gravel deposits are not covered by clay, silt, or glacial till and are exposed at the surface. The distribution of these deposits is shown on figure 3. For the most part however, these sand and gravel deposits do not yield large quantities of water as they are commonly less than 20 feet thick and are not areally extensive. The unconfined aquifers are recharged directly from precipitation on the outcrop area. Confined and semiconfined ground water occurs where sand and gravel deposits have been covered by lake clay or silt, or by glacial till. These deposits are largely confined to the buried valley so they are not visible on the surface and their regional extent and distribution are therefore not readily apparent. The confined and semiconfined aquifers are recharged by leakage through overlying confining beds and by precipitation falling on outcrop areas outside Essex County. Some recharge may also be derived from the underlying and adjacent Brunswick Formation.

The most productive artesian and semi-artesian aquifers in the stratified drift in Essex County occur as valley fill in stream valleys that were cut in the bedrock before the last glaciation. Consequently the size, shape, and distribution of the aquifers conform to the size, shape, and distribution of the bedrock valleys. The bedrock valley underlying the Newark area (shown on fig. 4) is filled with till and clay, and contains only minor amounts of water-bearing sand. Extensive subsurface exploration in western



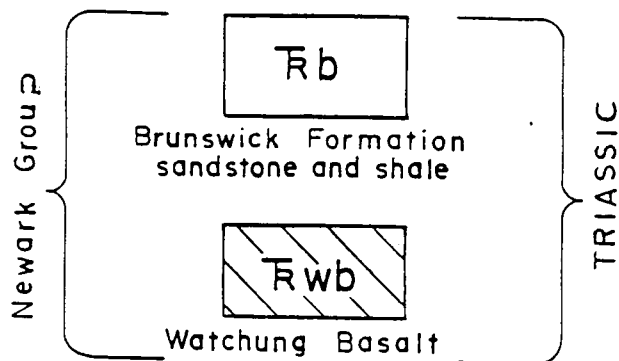
Aquifer name:  
Qsd, Stratified drift  
TRb, Brunswick Formation  
TRwb, Watchung Basalt

TABLE 2.—RECORDS OF SELECTED WELLS IN ESSEX COUNTY, N. J.—Continued

Remarks:  
O.W., Owners well number

Well	Owner or Tenant	Driller	Date Drilled	Altitude above mean sea level (ft)	Total depth drilled below land surface (ft)	Diameter of well (inches)	Depth to which well is cased (ft)	Screen setting (ft)	Aquifer	Static level below land surface (feet)	Yield (gpm)	Draw-down (ft)	Specific capacity (gpm/ft)	Remarks
FAIRFIELD BOROUGH														
1	Fairfield Borough	W. Beatty	1962		90	8	79	20-30	Qsd	---	350	-	---	
2	Republic Tool & Mfg. Co.	Algerier Bros.	7-30-52	170	53	6	53	---	Qsd	2	40	5	8.00	
3	Curtiss Wright Corp.	Artesian Well & Equip. Co.	1941	170	566	10	---	none	TRwb	11	155	136	1.14	O.W. 1
4	Fairfield Borough	H. A. Kieffer	12-26-53	170	185	6	83	none	IRb	20	36	20	1.80	O.W. 1
5	Fairfield Borough	Burrows Well Drilling Co.	7-9-64	167	350	10	85	none	TRb	4	500	64	7.81	
6	De Witt Rubber Mfg. Co.	Algerier Bros.	7-16-54	170	142	6	86	none	TRb	2	25	13	1.92	
7	Curtiss Wright Corp.	Artesian Well & Equip. Co.	4-5-43	175	490	10	---	none	IRwb	32	275	80	3.44	O.W. 6
8	Industry Publications	Algerier Bros.	9-15-54	180	100	6	57	none	TRwb	15	45	10	4.5	
9	Williamson & Co., Inc.	H. A. Kieffer	5-15-53	190	510	6	74	none	TRwb	13	25	55	1.45	
10	Green Brook Country Club	H. A. Kieffer	1958	---	300	8	53	none	TRb & TRwb	20	335	28	11.96	O.W. 4
GLEN RIDGE BOROUGH														
1	S. Mendelsohn	Wm. Stothoff Co., Inc.	1-12-51	240	166	6	22	none	TRb	45	30	3	10.00	
2	Chicle Products Co.	-----	1920	---	757	6	110	none	TRb	18	50	52	1.96	
IRVINGTON (TOWN)														
1	Fezem Memorial Home	Wm. Stothoff Co., Inc.	6-19-52	185	304	8	66	none	IRb	75	78	25	3.1	
2	Kies Diner, Inc.	Parkhurst Well & Pump Co.	3-10-55	---	250	8	47	none	TRb	31	65	69	1.94	
3	American Stores	Parkhurst Well & Pump Co.	7-17-51	160	402	8	45	none	TRb	40	126	80	1.57	O.W. 1
4	Olympic Park	A. J. Connally, Inc.	1928	158	300	10	---	none	TRb	52	420	78	5.38	
5	Irvington Smelting & Refining Works	Wm. Stothoff Co., Inc.	3-25-53	---	304	10	62	none	IRb	40	300	22	13.6	
6	Jersey Plastic & Die Casting Co.	Wm. Stothoff Co., Inc.	3-26-54	155	400	10	38	none	IRb	94	183	106	1.74	
7	Gallo Asphalt Co.	E. J. Bort	6-9-61	150	201	6	107	none	IRb	46	200	14	8.74	
8	Palnut Co.	Parkhurst Well & Pump Co.	1-27-50	170	229	8	50	none	IRb	45	60	1	10.0	

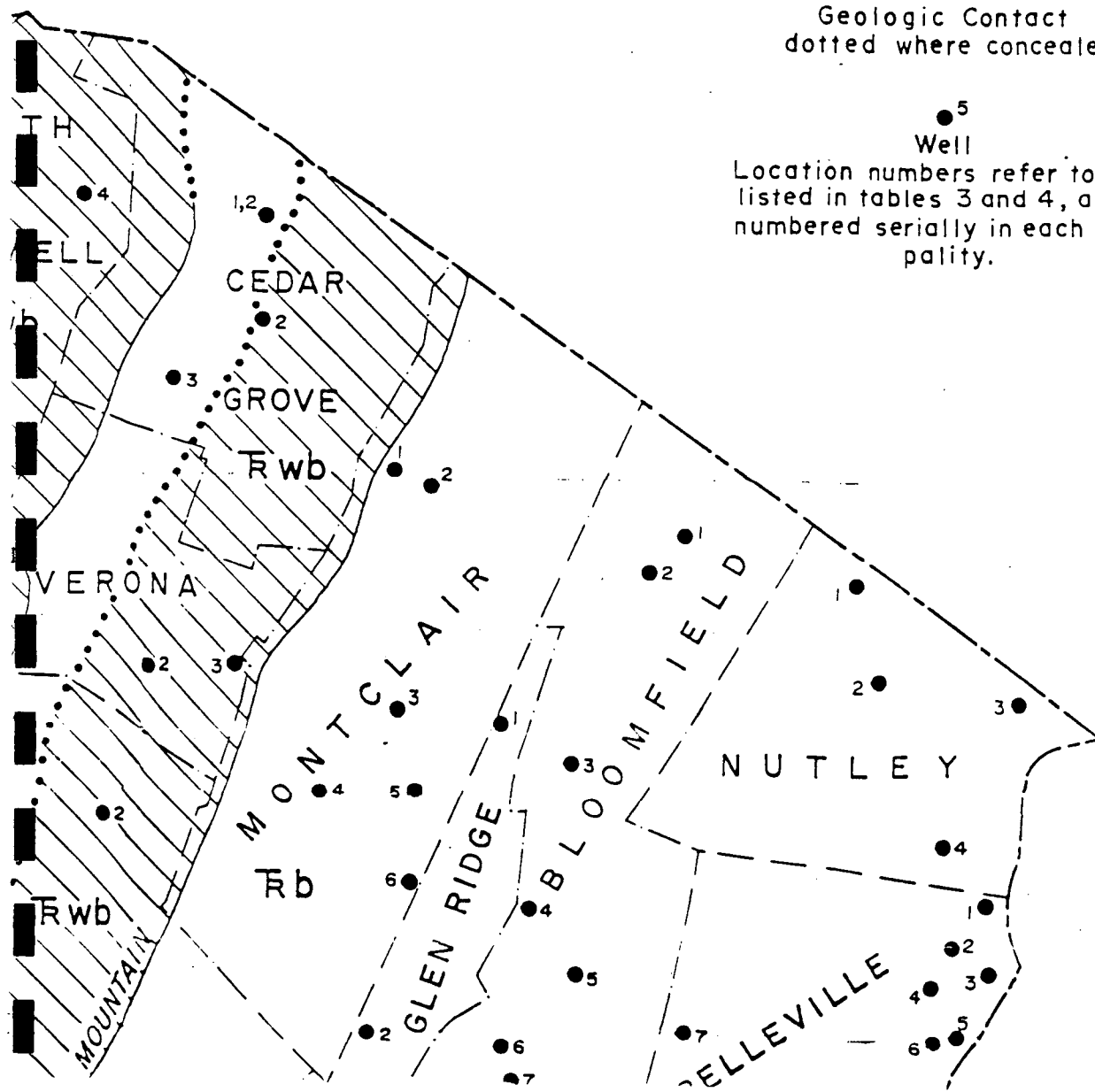
# EXPLANATION



.....  
Geologic Contact  
dotted where concealed

5  
Well

Location numbers refer to wells  
listed in tables 3 and 4, and are  
numbered serially in each munic-  
pality.



N

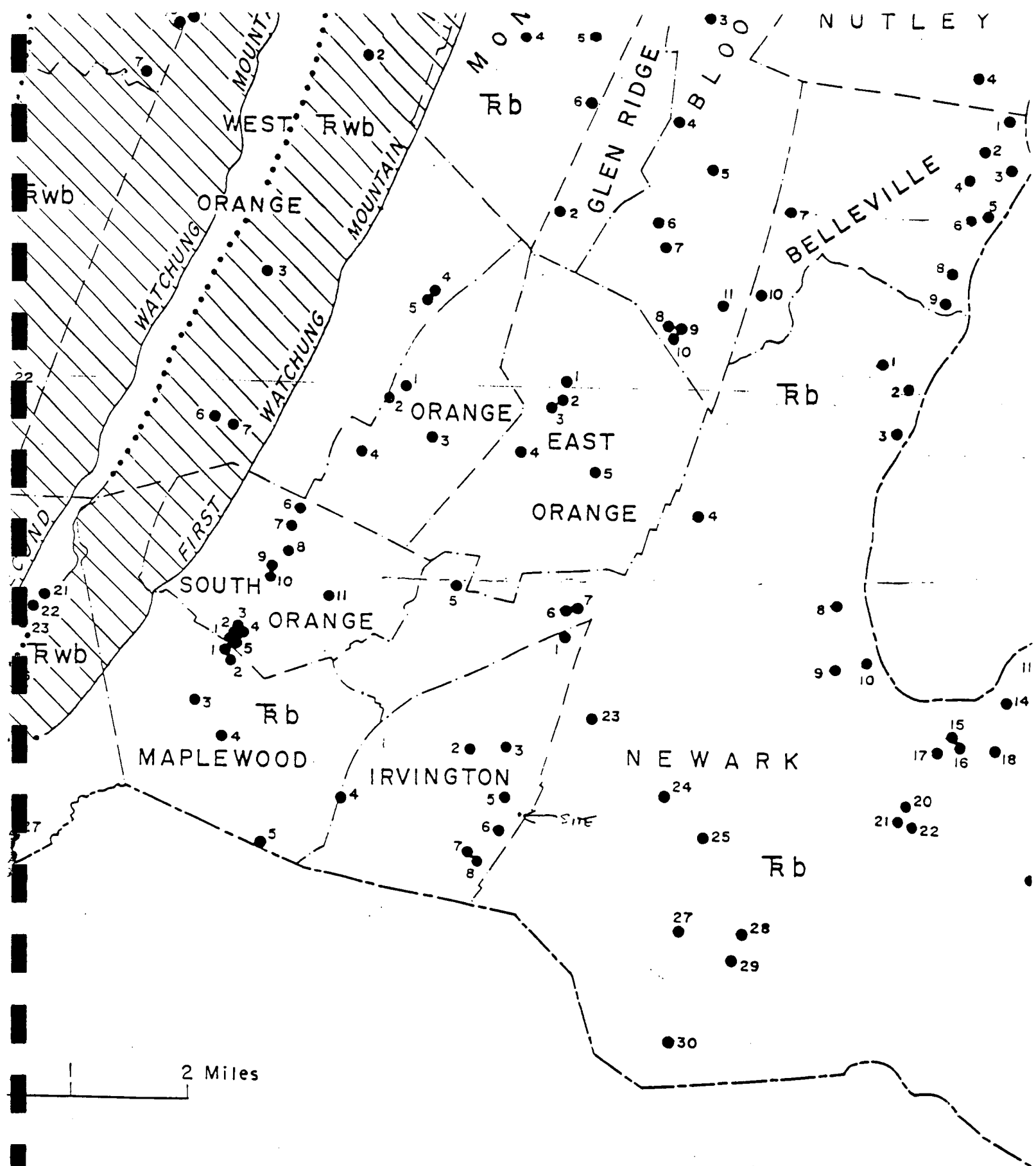


Figure 2.—Generalized bedrock geologic map of Essex County, N. J. showing locations of selected wells.

74°10

## EXPLANATION

Pleistocene

Qsd

Stratified drift

Qem

End moraine

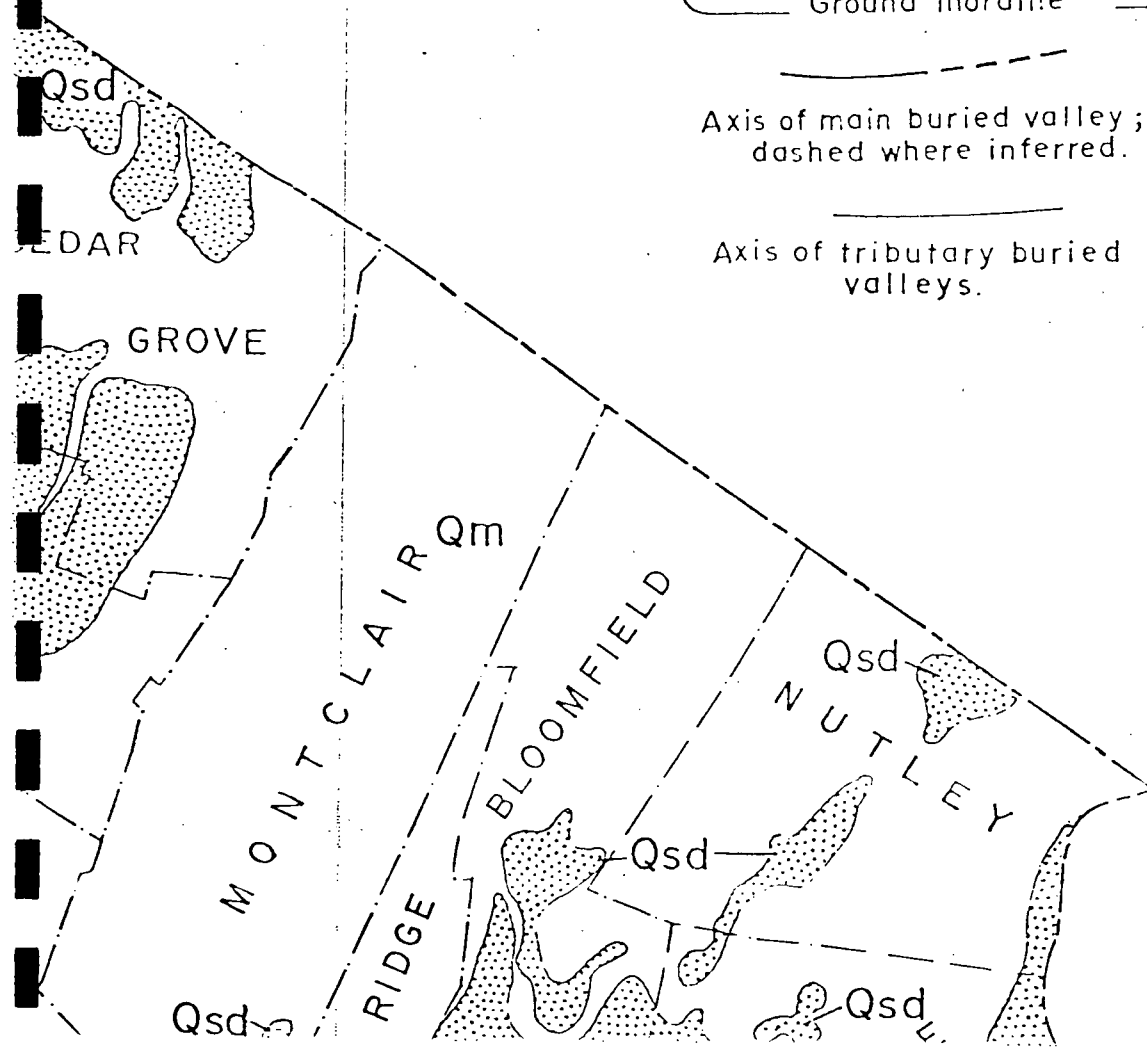
Qm

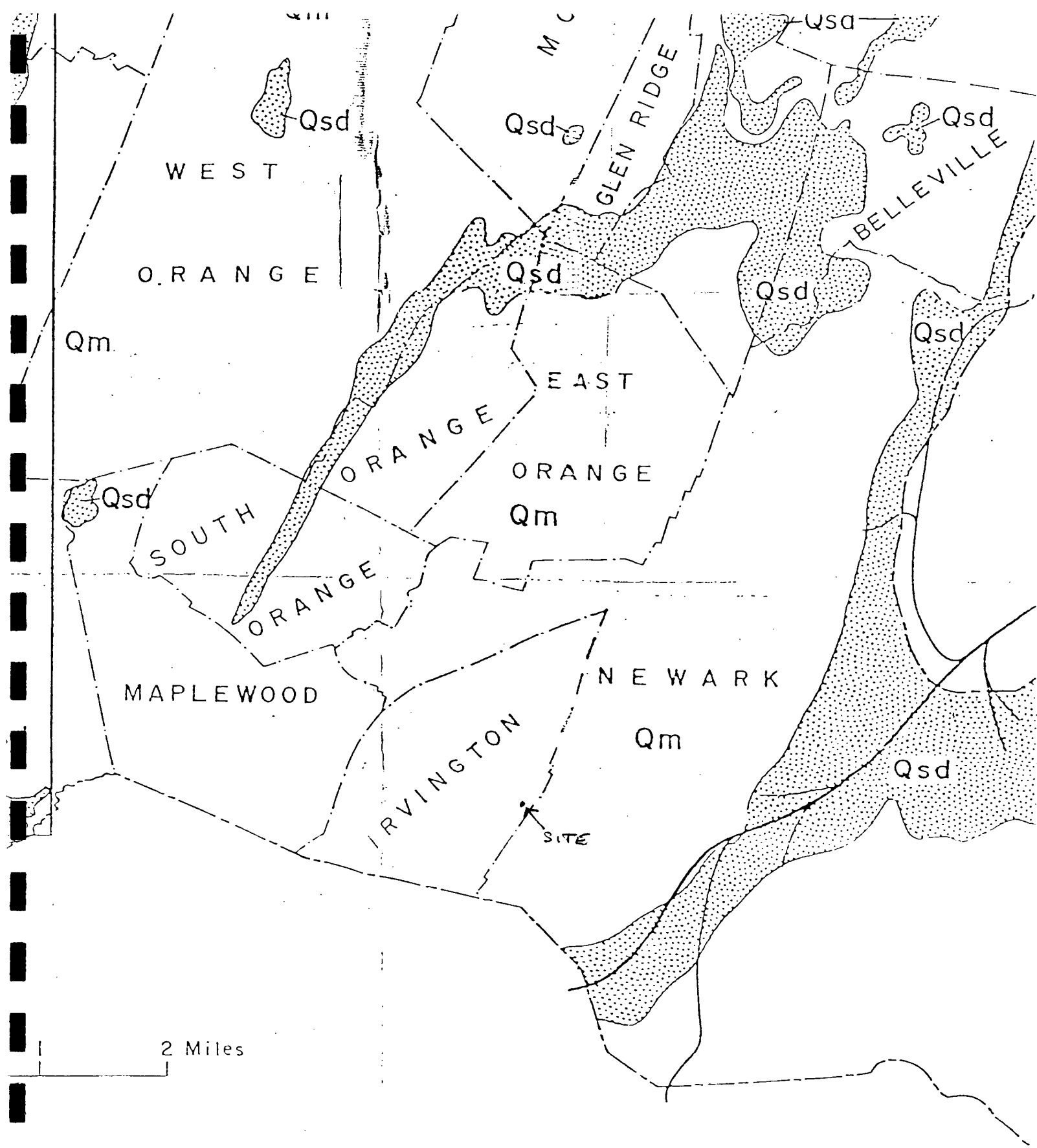
Ground moraine

QUATERNARY

Axis of main buried valley ;  
dashed where inferred.

Axis of tributary buried  
valleys.





2. Generalized official geologic map of Essex County, N. J., showing areas of buried valleys.

REFERENCE NO. 19

[illegible]

## 1984



## HOW TO USE THIS ATLAS

The Atlas contains reductions of all 1:24,000 National Wetlands Inventory maps. Maps appear in alphabetical order. Map names can be located on the index map (Figure 2). Each map shows the configuration, location and type of wetlands and deepwater habitats found within a given area.

## WETLAND LEGEND

Wetland data are displayed on maps by a series of letters and numbers (alpha-numerics). Mixing of classes and subclasses are represented by a diagonal line. The more common symbols are shown below; less common symbols have been omitted for simplicity. For identifying these latter symbols, the reader should refer to an actual NWI map legend.

### Examples of Alpha-numerics:

E2EMN6 = Estuarine (E), Intertidal(2), Emergent Wetland(EM), Regularly Flooded(N), Oligohaline(6)

E2FL = Estuarine(E), Intertidal(2), Flat(FL)

PF01 = Palustrine(P), Forested Wetland(FO), Broad-leaved Deciduous(1)

PEM/OW = Palustrine(P), Emergent Wetland/Open Water(EM/OW)

PFO/SS1 = Palustrine(P), Forested Wetland/Scrub-Shrub Wetland(FO/SS), Broad-leaved Deciduous(1)

### SYMBOLGY

#### Systems and Subsystems:

M 1	=	Marine Subtidal	R 3	=	Riverine Upper Perennial
M 2	=	Marine Intertidal	R 4	=	Riverine Intermittent
E 1	=	Estuarine Subtidal	L 1	=	Lacustrine Limnetic
E 2	=	Estuarine Intertidal	L 2	=	Lacustrine Littoral
R 1	=	Riverine Tidal	P	=	Palustrine
R 2	=	Riverine Lower Perennial	U	=	Upland

#### Classes (subclasses and modifiers designated where appropriate):

AB = Aquatic Bed

BB = Beach/Bar

EM = Emergent Wetland

EMN6 = Emergent Wetland, Regularly Flooded, Oligohaline

EMP6 = Emergent Wetland, Irregularly Flooded, Oligohaline

EMR = Emergent Wetland, Seasonally Flooded-Tidal

FL = Flat

FO1 = Forested Wetland, Broad-leaved Deciduous

FO2 = Forested Wetland, Needle-leaved Deciduous

FO4 = Forested Wetland, Needle-leaved Evergreen

OW = Open Water/Unknown Bottom

SS1 = Scrub-Shrub Wetland, Broad-leaved Deciduous

SS3 = Scrub-Shrub Wetland, Broad-leaved Evergreen

SS4 = Scrub-Shrub Wetland, Needle-leaved Evergreen

SS5 = Scrub-Shrub Wetland, Dead

SS7 = Scrub-Shrub Wetland, Evergreen

REFERENCE NO. 20



# Surface Water Classifications

## Surface Water Quality Standards N.J.A.C. 7:9-4

Index D-

Surface Water Classifications of the Passaic,  
Hackensack and N.Y. Harbor Complex Basin

July 1985

COOLEY BROOK	
(W. Milford) - Entire length, except segments described below	FW2-TP (C1)
(Hewitt) - Segments of the brook and all tributaries located entirely within Hewitt State Forest	FW1 [tp]
CORYS BROOK (Warren) - Entire length	FW2-NT
CRESSKILL BROOK	
(Alpine) - Source to Duck Pond Rd. bridge, Demarest	FW2-TP (C1)
(Demarest) - Duck Pond Rd. bridge to Tenakill Brook	FW2-NT
CUPSAW BROOK	
(Skylands) - Source to Cupsaw Lake dam, except segment described below	FW2-NT
(Skylands) - That segment of Cupsaw Brook above the dam and within the boundaries of Ringwood State Park	FW2-NT (C1)
(Skylands) - Cupsaw Lake dam to mouth	FW2-TM
DEAD RIVER (Liberty Corners) - Entire length	FW2-NT
DEN BROOK (Denville) - Entire length	FW2-NT
DUCK POND (Ringwood)	FW2-NT (C1)
ELIZABETH RIVER	
(Elizabeth) - Source to Broad St. bridge, Elizabeth and all freshwater tributaries	FW2-NT
(Elizabeth) - Broad St. bridge to mouth	SE3
FOX BROOK (Mahwah) - Entire length	FW2-NT
GLASMERE POND (Ringwood)	FW2-NT (C1)
GOFFLE BROOK (Hawthorne) - Entire length	FW2-NT
GRANNIS BROOK (Morris Plains) - Entire length	FW2-NT
GREAT BROOK	
(Chatham) - Entire length, except segment described below	FW2-NT
(Great Swamp) - Segment within the boundaries of the Great Swamp National Wildlife Refuge	FW2-NT (C1)
GREEN BROOK	
(W. Milford) - Entire length, except those segments described below	FW2-TP (C1)
(Hewitt) - Those segments located entirely within the Hewitt State Forest boundaries	FW1 [tp]
GREEN POND (Rockaway)	FW2-TM
GREEN POND BROOK (Picatinny Arsenal) - Green Pond outlet to Rockaway River	FW2-NT
GREENWOOD LAKE (W. Milford)	FW2-TM
HACKENSACK RIVER	
(Oradell) - Source to Oradell dam	FW2-NT
(Oradell) - Main stem and saline tributaries from Oradell dam to the confluence with Overpeck Creek	SE1
(Little Ferry) - Main stem and saline tributaries from Overpeck Creek to confluence with Berrys Creek	SE2
(Secaucus) - Main stem from Berrys Creek to Route 1 & 9 crossing	SE2
(Kearny Point) - Main stem downstream from Route 1 & 9 crossing	SE3

REFERENCE NO. 21



# Surface Water Quality Standards

RECEIVED

MAY 20 1986

NUS CORPORATION  
REGION II

SENT TO \_\_\_\_\_

## SURFACE WATER QUALITY STANDARDS

N.J.A.C. 7:9-4.1 et seq.

May 1985

propagation of fish, shellfish, and wildlife, and recreation in and on the water, which are not included in the designated uses listed in this subchapter are attainable.

(f) A reclassification for more restrictive uses may be made when:

1. It is demonstrated to the satisfaction of the Department that the waters should be set aside to represent the natural aquatic environment and its associated biota; or
2. It is demonstrated to the satisfaction of the Department that a more restrictive use is necessary to protect a unique ecological system or threatened/endangered species.

(g) In those cases in which a thermal discharge is involved, the procedures for reclassifying segments for more restrictive uses shall be consistent with section 316 of the Federal Clean Water Act.

7:9-4.12 Designated uses of FW1, PL, FW2, SE1, SE2, SE3, and SC Waters

(a) In all FW1 waters the designated uses are:

1. Set aside for posterity to represent the natural aquatic environment and its associated biota;
2. Primary and secondary contact recreation;
3. Maintenance, migration and propagation of the natural and established aquatic biota; and
4. Any other reasonable uses.

(b) In all PL waters the designated uses are:

1. Cranberry bog water supply and other agricultural uses;
2. Maintenance, migration and propagation of the natural and established biota indigenous to this unique ecological system;
3. Public potable water supply after such treatment as required by law or regulations;
4. Primary and secondary contact recreation; and
5. Any other reasonable uses.

(c) In all FW2 waters the designated uses are:

1. Maintenance, migration and propagation of the natural and established biota;
2. Primary and secondary contact recreation;
3. Industrial and agricultural water supply;
4. Public potable water supply after such treatment as required by law or regulation; and
5. Any other reasonable uses.

(d) In all SE1 waters the designated uses are:

1. Shellfish harvesting in accordance with N.J.A.C. 7:12;
2. Maintenance, migration and propagation of the natural and established biota;
3. Primary and secondary contact recreation; and
4. Any other reasonable uses.

(e) In all SE2 waters the designated uses are:

1. Maintenance, migration and propagation of the natural and established biota;
2. Migration of diadromous fish;
3. Maintenance of wildlife;
4. Secondary contact recreation; and
5. Any other reasonable uses.

(f) In all SE3 waters the designated uses are:

1. Secondary contact recreation;
2. Maintenance and migration of fish populations;
3. Migration of diadromous fish;
4. Maintenance of wildlife; and
5. Any other reasonable uses.

(g) In all SC waters the designated uses are:

1. Shellfish harvesting in accordance with N.J.A.C. 7:12;

REFERENCE NO. 22

## NUS CORPORATION AND SUBSIDIARIES

TELECON NOTE

CONTROL NO:

DATE:

5/1/89

TIME:

1120

DISTRIBUTION:

02-8904-31 / NS PG RP  
EVERSEAL MANUFACTURING COMPANY  
(FILE)

BETWEEN:

Jim Racz

OF: City of Irvington

ENGINEERS OFFICE

PHONE:

(201) 399-6694

AND:



DISCUSSION:

LOCATION OF STORM WATER DISCHARGE  
POINTS FOR IRVINGTON.

MR. RACZ STATED ALL CITY STREET STORM DRAINS  
DISCHARGE INTO THE ELIZABETH RIVER. I  
ASKED IF THERE ARE NUMEROUS DISCHARGE POINTS  
AND HE STATED, YES. I ASKED IF HE KNEW WHERE  
THE STORM DRAINS IN THE VICINITY OF LYONS  
AND FABIAN STREETS DISCHARGED. HE STATED  
THE DISCHARGE WAS AT THE LYONS STREET  
BRIDGE OVER THE RIVER.

ACTION ITEMS:

REFERENCE NO. 23

GEMS> I

EVERSEAL MFG. CO.

LATITUDE 40:45: 8 LONGITUDE 74:14:45 1980 POPULATION

	0-14	14-18	18-1	1-2	2-3	3-4	SECTOR
KM	0.00-.400	.400-.810	.810-1.60	1.60-3.20	3.20-4.80	4.80-6.40	TOTALS
S 1	0	6554	30820	119380	191272	215600	563626
RING	0	6554	30820	119380	191272	215600	563626
TOTALS							
DISTANCE	0	6554	37374	156754	348026	563626	
TOTALS							

GEMS> I

EVERSEAL MFG. CO.

LATITUDE 40:45: 8 LONGITUDE 74:14:45 1980 HOUSING

	0-14	14-18	18-1	1-2	2-3	3-4	SECTOR
KM	0.00-.400	.400-.810	.810-1.60	1.60-3.20	3.20-4.80	4.80-6.40	TOTALS
S 1	0	2067	11354	44837	65980	76693	200931
RING	0	2067	11354	44837	65980	76693	200931
TOTALS							

REFERENCE NO. 24



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**  
FLOOD INSURANCE RATE MAP

TOWN OF  
IRVINGTON,  
NEW JERSEY  
ESSEX COUNTY

PANELS 1, 2, 3

**MAP INDEX**

PANEL PRINTED: 1

COMMUNITY-PANEL NUMBERS

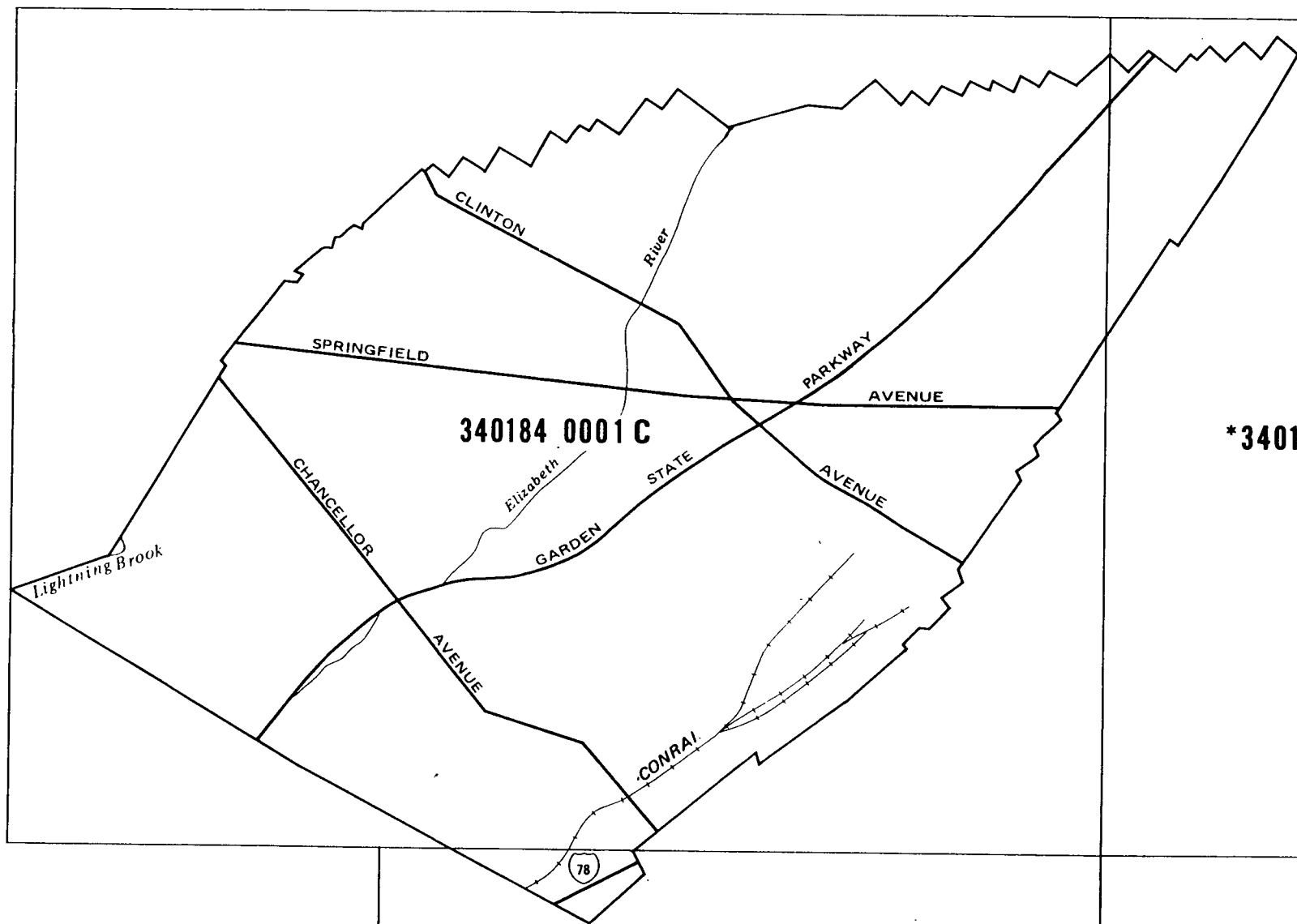
340184 0001-0003

MAP REVISED:

NOVEMBER 14, 1980



federal emergency management agency  
federal insurance administration



340184 0001 C

\*340184 0002 B

REFERENCE NO. 25

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# **Uncontrolled Hazardous Waste Site Ranking System**

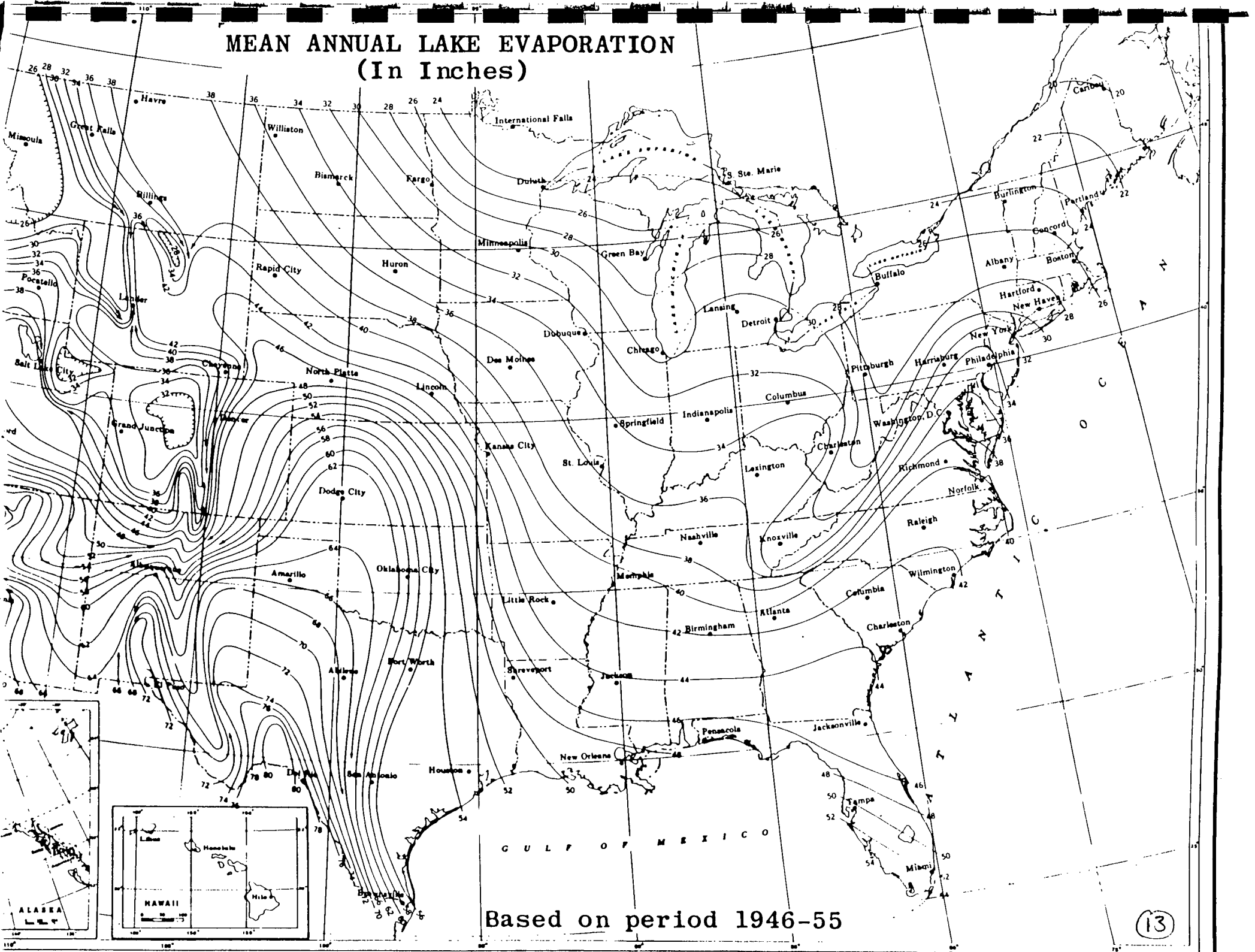
## **A Users Manual** (HW-10)

Originally Published in  
the July 16, 1982, *Federal Register*

United States  
Environmental Protection  
Agency

1984

# MEAN ANNUAL LAKE EVAPORATION (In Inches)



# NORMAL ANNUAL TOTAL PRECIPITATION (inches)

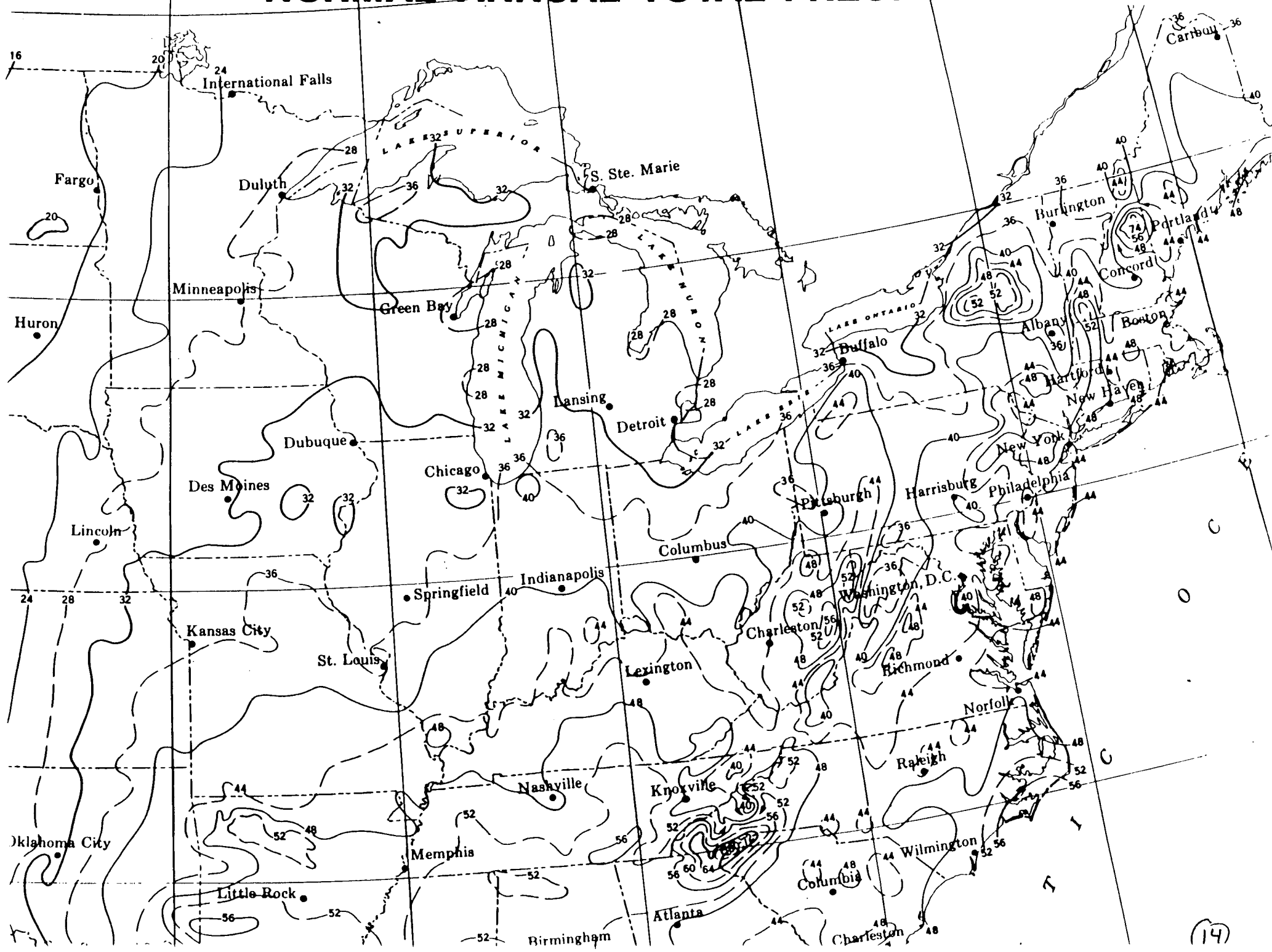


TABLE 2  
PERMEABILITY OF GEOLOGIC MATERIALS\*

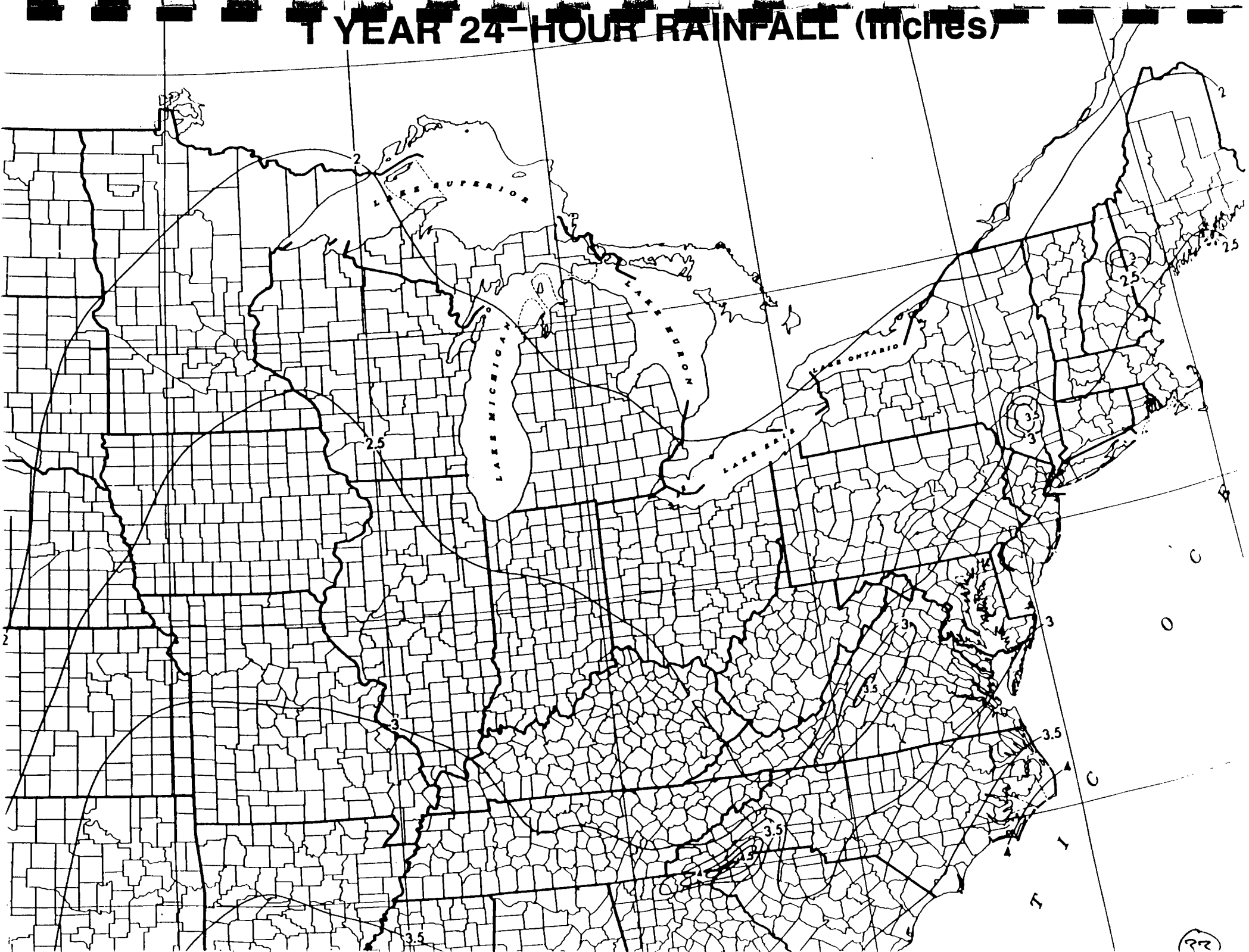
Type of Material	Approximate Range of Hydraulic Conductivity	Assigned Value
Clay, compact till, shale; unfractured metamorphic and igneous rocks	$<10^{-7}$ cm/sec	0
Silt, loess, silty clays, silty loams, clay loams; less permeable limestone, dolomites, and sandstone; moderately permeable till	$10^{-5} - 10^{-7}$ cm/sec	1
Fine sand and silty sand; sandy loams; loamy sands; moderately permeable limestone, dolomites, and sandstone (no karst); moderately fractured igneous and metamorphic rocks, some coarse till	$10^{-3} - 10^{-5}$ cm/sec	2
Gravel, sand; highly fractured igneous and metamorphic rocks; permeable basalt and lavas; karst limestone and dolomite	$>10^{-3}$ cm/sec	3

\*Derived from:

Davis, S. N., Porosity and Permeability of Natural Materials in Flow-Through Porous Media, R.J.M. DeWiest ed., Academic Press, New York, 1969

Freeze, R.A. and J.A. Cherry, Groundwater, Prentice-Hall, Inc., New York, 1979

# 1 YEAR 24-HOUR RAINFALL (inches)



**REFERENCE NO. 26**

# GEOLOGIC MAP OF NEW JERSEY

Compiled from published folios and from manuscript data in possession of the Survey, the latter chiefly the field work of

W. S. BAYLEY, (Pre-Cambrian)

H. B. KÜMMEL, (Paleozoic, Triassic, Quaternary)

R. D. SALISBURY, (Quaternary)

G. N. KNAPP, (Cretaceous, Tertiary, Quaternary)

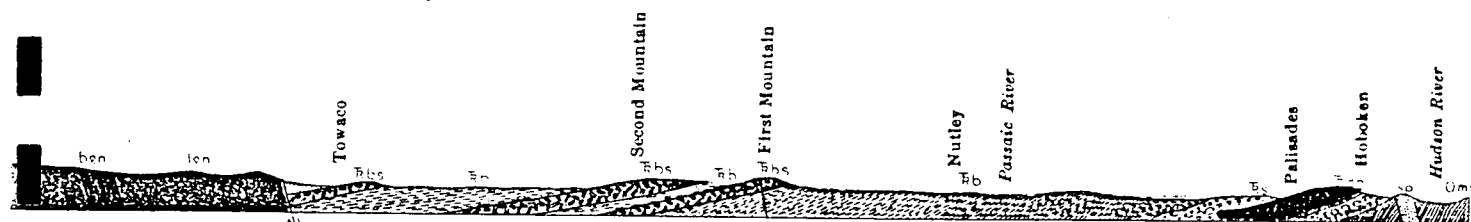
BY

J. VOLNEY LEWIS AND HENRY B. KÜMMEL  
1910-1912

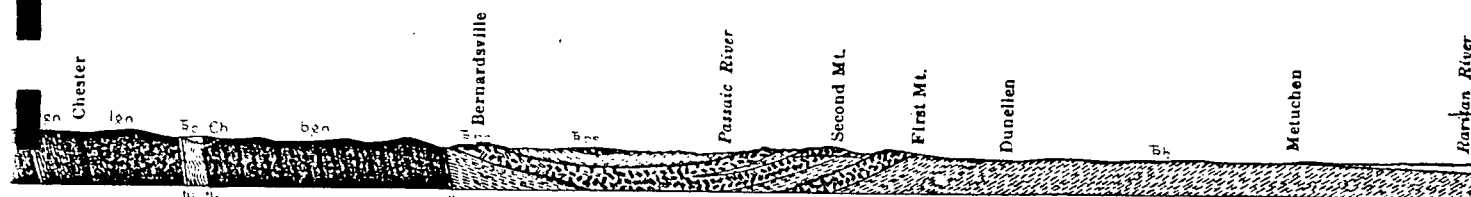
REVISÉD BY H. B. KÜMMEL, 1931

AND MEREDITH E. JOHNSON, 1950

SCALE: 1:250,000 (approximately 4 miles to an inch)



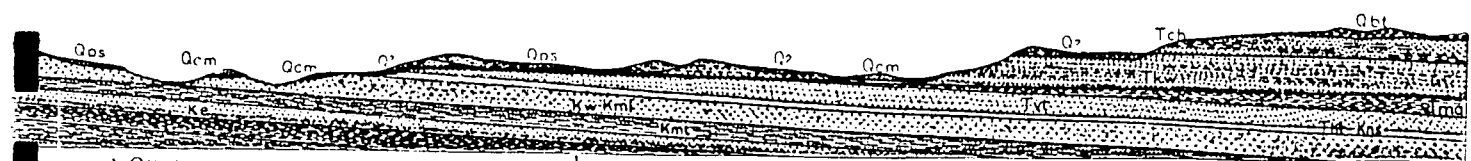
Horizontal,  $\frac{1}{250000}$ ; Vertical,  $\frac{1}{100000}$ ; Vertical exaggeration  $2\frac{1}{2}$ .



South Amboy. Scales: Horizontal,  $\frac{1}{250000}$ ; Vertical,  $\frac{1}{100000}$ ; Vertical exaggeration 2%.



Scale. Scales: Horizontal,  $\frac{1}{250000}$ ; Vertical,  $\frac{1}{125000}$ ; Vertical exaggeration 2.



ary and Quaternary strata. Horizontal scale,  $\frac{1}{62500}$ ; (Vertical scale ten times the horizontal.)

 $74^{\circ}20'$ 

74°10'

74°00'

38°  
40'



**REFERENCE NO. 27**

If the Administrator determines, on his initiative or upon petition, that an area has an aquifer which is the sole or principal drinking water source for the area and which, if contaminated, would create a significant hazard to public health, he shall publish notice of the determination in the Federal Register. After the publication of any notice, no commitment for Federal financial assistance (through a grant, contract, loan guarantee, or otherwise) may be entered into for any project which the Administrator determines may contaminate such aquifer through a recharge zone so as to create a significant hazard to public health but a commitment for Federal financial assistance may, if authorized under another provision of law, be entered into to plan or design the project to assure that it will not so contaminate the aquifer.

On January 15, 1979 the City of East Orange, N.J. and Passaic River Coalition, Basking Ridge, N.J. petitioned the Administrator to designate the aquifer system underlying western Essex and southeastern Morris Counties, New Jersey, as a sole source aquifer under the provisions of the Act. A notice of receipt of this petition, together with a request for comments was published in the Federal Register March 29, 1979, 44 FR 18732. In response to the Notice and request for comments, written comments were received from both the public and private sectors. On May 23, 1979, the Environmental Protection Agency (EPA) held a public hearing in Roseland, N.J. to hear the views of persons interested in the Buried Valley System issue.

On the basis of the information which is available to this Agency the Administrator has made the following findings, which are the basis for the determination noted above:

(1) The Buried Valley Aquifer System is the sole or principal source of drinking water for approximately 600,000 people in western Essex and southeastern Morris Counties, New Jersey. In 1978, the system supplied approximately 42 million Gallons per Day (MGD) water. Current water supply treatment practice for public supplies is generally limited to disinfection for drinking purposes; with some plants capable of manganese removal. There is no alternative source of drinking water supply which could economically replace this aquifer system if it were contaminated.

(2) The Buried Valley Aquifer System is vulnerable to contamination through its recharge zone, particularly from septic tanks and, to a lesser extent, from leaching of discharges to streams and rivers in the recharge and streamflow source zones. Since ground water contamination can be difficult or impossible to reverse, and because this

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## ENVIRONMENTAL PROTECTION AGENCY

(FR 1417-6)

### Aquifers Underlying Western Essex and Southeastern Morris Counties, N.J.; Determination

Notice is hereby given that pursuant to Section 1424(e) of the Safe Drinking Water Act (42 U.S.C. 300f, 300h-3(e); 88 Stat. 1660 et seq., P.L. 93-523) the Administrator of the Environmental Protection Agency has determined that the buried valley and bedrock aquifer system underlying the Central Basin of the Passaic River in western Essex and southeastern Morris Counties, New Jersey, is the principal source of drinking water for these counties and that, if the aquifer system were contaminated, it would create a significant hazard to public health.

#### Background

The Safe Drinking Water Act was enacted on December 16, 1974. Section 1424(e) of the Act states:

aquifer is relied upon for drinking purposes by many people, contamination of the aquifer would pose a significant hazard to public health.

Section 1424(e) of the Act requires that a Federal agency may not commit funds to a project which may contaminate the aquifer system through a recharge or streamflow source zone so as to create a significant hazard to public health. The recharge zone is that area through which water enters into the aquifer system.

The area in which projects may be reviewed is the area encompassed by: (1) The boundary of the Buried Valley Aquifer Systems, and (2) its streamflow source zones.

The Buried Valley Aquifer System is the principal source of drinking water in southeastern Morris and western Essex Counties, New Jersey. The surface boundary of the aquifer's recharge zone is identical with the boundary of the aquifer.

The recharge zone is defined by the outside boundary of the following municipalities: On the south—Bernards Township and Warren Township, on the east—Berkeley Heights, New Providence, Summit Millburn, Livingston Township, Roseland, Essex Falls, Caldwell, West Caldwell and North Caldwell, on the north—Fairfield, and Montville, on the west—Parsippany-Troy Hills, Morris Township and Harding Township. Included within these perimeter communities are also the following: Passaic Township, Chatham, Chatham Township, Madison, Florham Park, Morristown, Hanover, East Hanover and Morris Plains.

The stream flow source zone of the aquifer system lies within the boundaries of the Rockaway River Sub-Basin, which, in turn, is part of the Passaic River Basin. This zone includes those portions of the sub-basin which ultimately drain to the recharge zone. This area encompasses all or part of the following municipalities: Bernardsville, Boonton Town, Boonton Township, Denverille, Dover, Jefferson, Kinnelon, Lincoln Park, Mendham Borough, Mendham Township, Mine Hill, Mountain Lakes, Mount Arlington, Randolph, Rockaway Borough, Rockaway Township, Roxbury Sparta, Victory Gardens and Wharton.

The information utilized in this determination includes: The petition, written and verbal comments submitted by the public, a detailed map of the area and independent analyses by EPA. All this information is available to the public and may be inspected during normal business hours at the office of the Environmental Protection Agency, Region II, Water Supply Branch, 28

Federal Plaza, Room 24-130, New York, N.Y. 10007.

A copy of the above documentation is also available at the U.S. Environmental Protection Agency, Waterside Mall, Public Information and Reference Unit, Room 2922, 401 M Street SW., Washington, D.C. 20460.

EPA proposed national regulations for implementing Section 1424(e) of the Safe Drinking Water Act on September 29, 1977, 42 FR 51574. The proposed regulations contain procedures for review of Federal financially assisted projects which may contaminate aquifer systems designated as "sole or principal source" aquifers through the recharge zone so as to create a significant hazard to public health. Until their final promulgation, these regulations will be used as interim guidance for implementing a sole source program under Section 1424(e). Questions and comments concerning the possible effect of the regulations on federally assisted projects in the Buried Valley Aquifer System area should be directed to Region II, Environmental Protection Agency, Attn: Harry F. Smith, Jr., P.E., Chief, Water Supply Branch, U.S. Environmental Protection Agency, 26 Federal Plaza, New York, N.Y. 10007.

EPA, Region II, is working with the Federal agencies which intend, or may intend to fund projects in the area of concern to develop procedures for notifying EPA projects in the area which might contaminate the aquifer. EPA will evaluate such projects and, where necessary, will conduct an in-depth review, including soliciting public comments where appropriate. More stringent review criteria will be applied to those projects that have a greater potential for contaminating the aquifer, such as those located in the recharge zone.

Although the project review process cannot be delegated, the Regional Administration in Region II will rely to the maximum extent possible upon and existing or future State and local control mechanisms in protecting the southeastern Morris and western Essex Counties, New Jersey. Included in the review of any Federal financially assisted project will be coordination with the State and local agencies. Their determinations will be given full consideration and the Federal review process will function so as to complement and support State and local protection programs.

Dated: May 2, 1980.

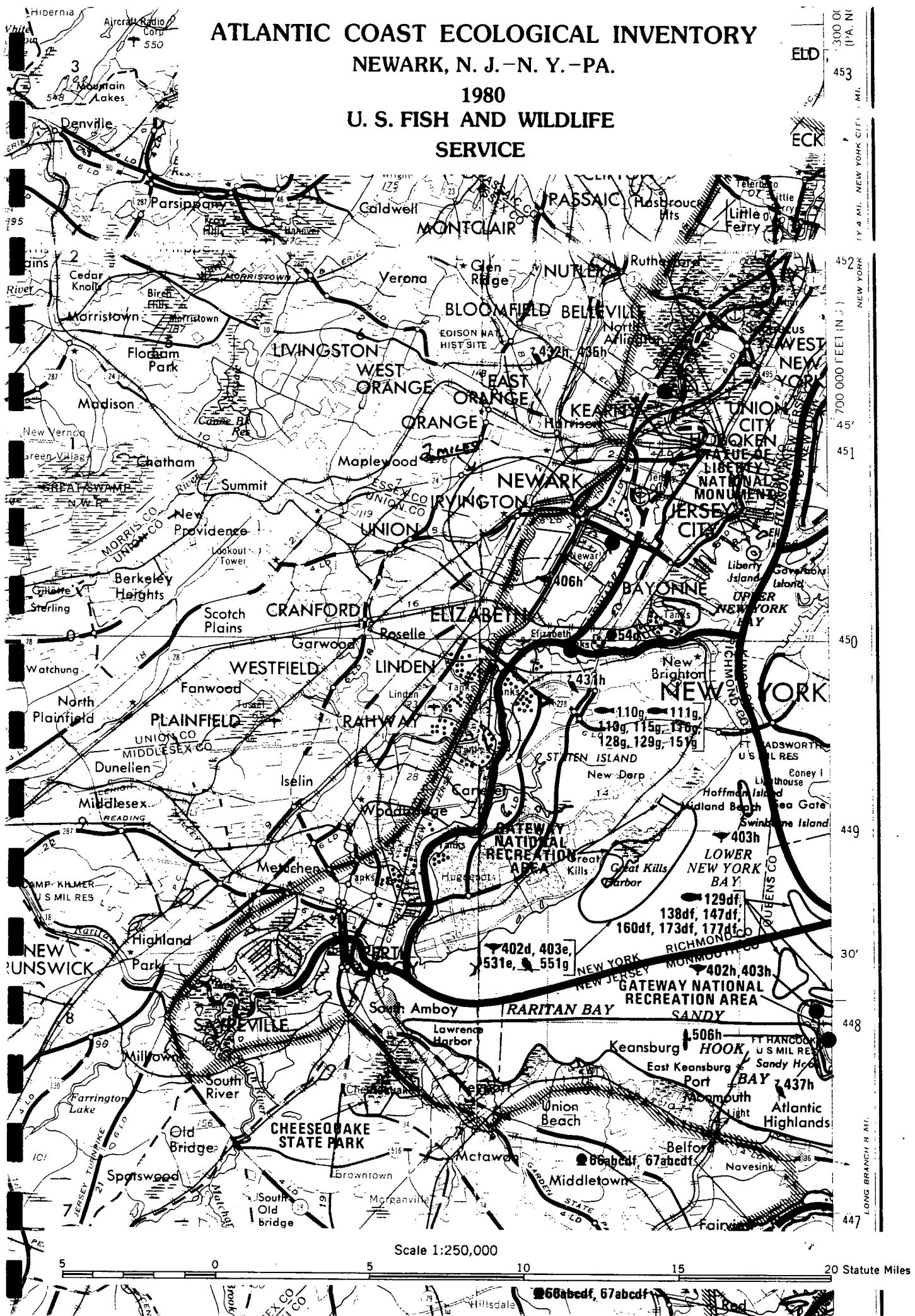
Douglas M. Costle,

Administrator.

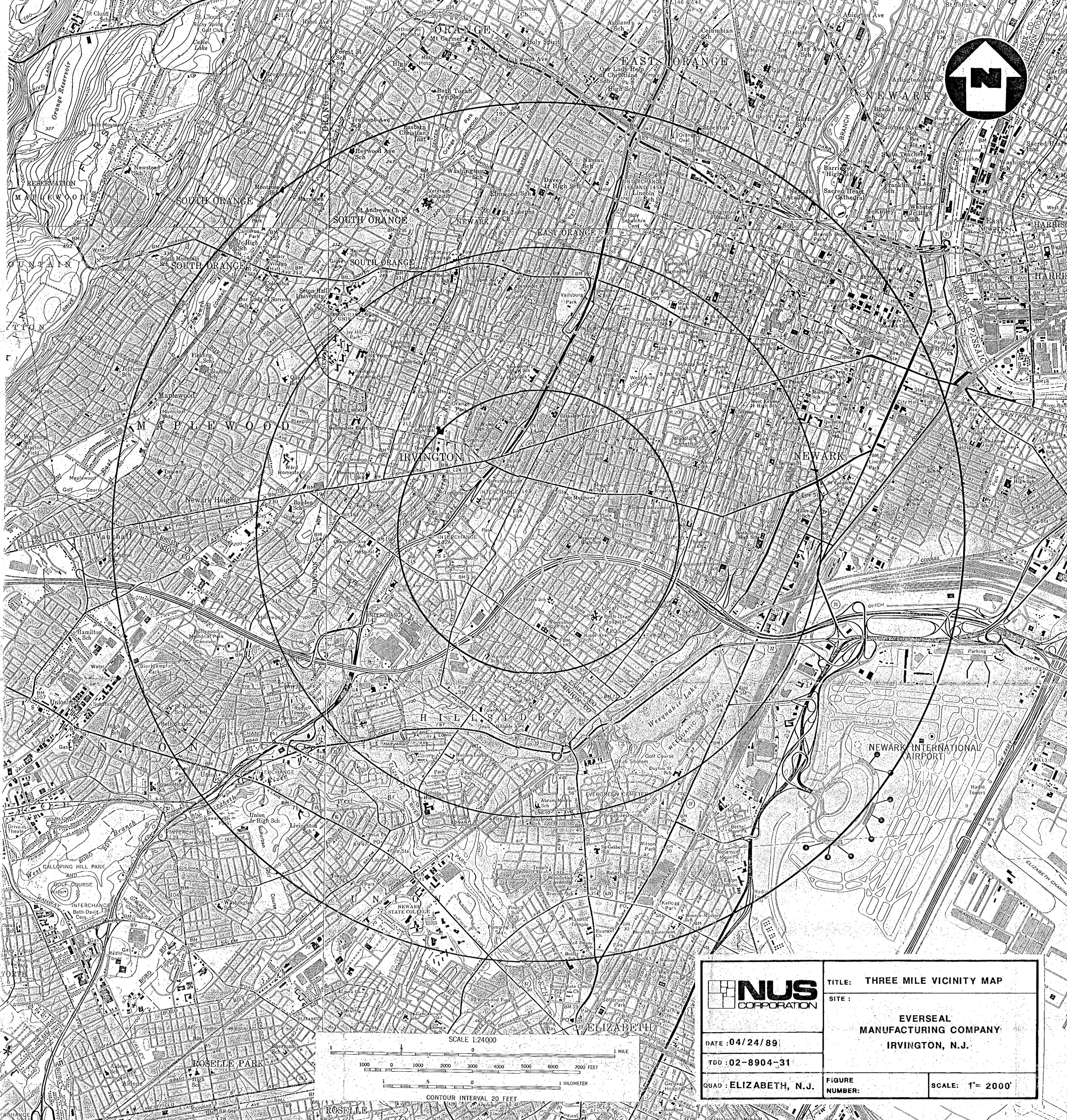
(FR Doc. 80-14243 Filed 5-7-80; 9:45 AM)  
BILLING CODE 6560-01-M


REFERENCE NO. 28

**U. S. FISH AND WILDLIFE  
SERVICE**



REFERENCE NO. 29



		TITLE: THREE MILE VICINITY MAP	
DATE :04/24/89		SITE :  EVERSEAL MANUFACTURING COMPANY IRVINGTON, N.J.	
TDD :02-8904-31		FIGURE NUMBER:	SCALE: 1"= 2000'
QUAD : ELIZABETH, N.J.			

